

AD-A102 398

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KOON-NI RANGE, OSAN, KOREA. REVISED UNIFORM SUMMARY OF SURFACE --ETC(11)
APR 81

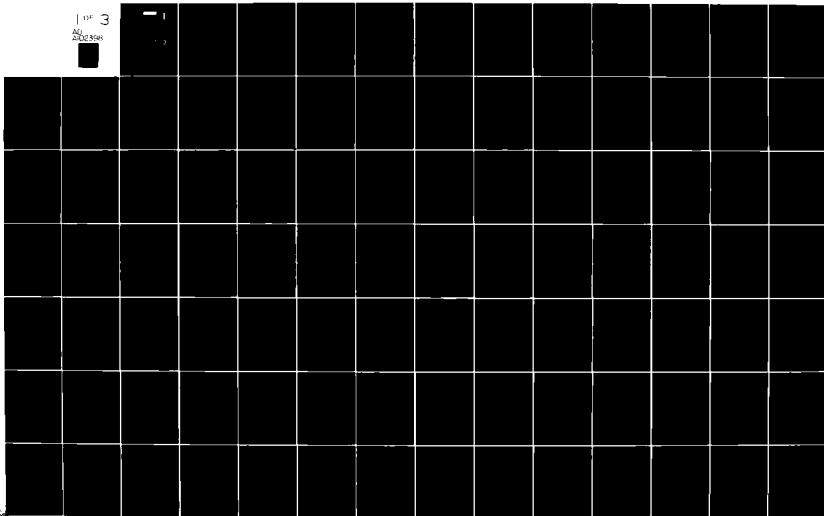
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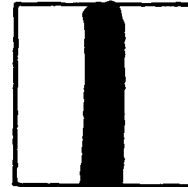
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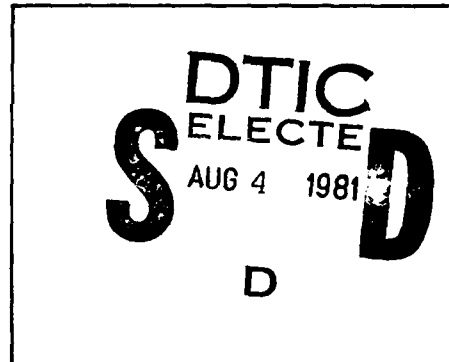
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ADE 850 085

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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

1217 APR 1981

KOON-PI NAME KO
N 37 02 E 126 45 FLD ELEV 50 FT RKSE WBAW #43273
WMO #

PARTS A-F
FOR FROM HOURLY OBS: MAR 63 - DEC 70, JAN 73 - FEB 80
FOR FROM DAILY OBS: MAR 63 - OCT 63, APR 69 - DEC 80
TIME CONVERSION GMT TO LST+9

APR 24 1981

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/OS- 81/052	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- KOON-NI RANGE, OSAN, KOREA		5. TYPE OF REPORT & PERIOD COVERED Final rept.
6. AUTHOR(S)		6. PERFORMING ORG. REPORT NUMBER
7. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER (if any)
9. OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 24 APR 81
		13. NUMBER OF PAGES 241
		14. SECURITY CLASS. (of this report) UNCLASSIFIED
		15. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES THIS DOCUMENT SUPERSEDES THE RUSSWO DATED 24 OCT 73		
19. SUBJECT TERMS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperatures Atmospheric pressure Snowfall Extreme snow depth Extreme surface winds Climatology Sea-level pressure Psychrometric summary Surface Winds Extreme temperature Ceiling versus visibility Relative Humidity *Climatological data (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for KOON-NI RANGE, OSAN, KOREA It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM
1 JAN 73 1473

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables
* KOREA * KOON-NI RANGE KOREA
20. and dew point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurring tables.

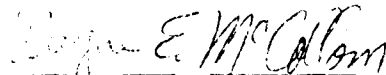
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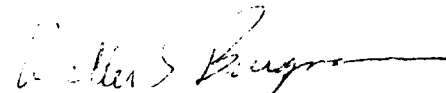
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This technical report has been reviewed and is approved for publication.



WAYNE E. MCCULLOM, Chief
Technical Information Section
USAFETA/TST

FOR THE COMMANDER



WALTER ST. BURDAWN
AWS Scientific and technical
Information Officer (STINFO)

The hourly sections of this summary were produced using data for less than 24 observations per day for the period of record. The period of record and observation count per page reflect these reduced number of observations. The result is a summary biased toward those hours for which observations were available for the entire period of record. Therefore, the hourly "ALL", "TOTAL" and "DEVIATION" summaries should be disregarded or used with extreme caution. In this respect, the hourly sections are a summary of specific hours (07-17 local) only and not a true RUSSWO. Suspect pages are identified by a red stamp.

"USE WITH CAUTION

SEE FIRST PAGE"

The daily data sections are also affected due to less than 24 hours of operation per day, plus not all days are included (closed Sat, Sun, Holidays). The sections included in the daily data are also stamped.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY 00-02, 03-05, 18-20, 21-23 APRIL 00-02, 03-05, 18-20, 21-23 JULY 00-02, 03-05, 18-20, 21-23 OCTOBER 00-02, 03-05, 18-20, 21-23
FEBRUARY " " MAY " " AUGUST " " NOVEMBER " "
MARCH " " JUNE " " SEPTEMBER " " DECEMBER " "

ST4-29958

USAFETAC FORM NOV 73 0-19 (OLA) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. CONTINUED ON REVERSE SIDE

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

4375 KRON-NI RANGE KO 69-70, 73-80 JAN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02												
	03-05												
	06-08		1.1		7.5		3.6	31.4	12.9			44.1	373
	09-11		1.7		7.8		9.5	19.7	26.5			43.2	556
	12-14		1.9		5.5		7.2	7.7	26.9			38.6	637
	15-17		3.6		6.7		10.1	3.7	24.1			27.9	535
	18-20												
	21-23												
TOTALS			2.1		6.9		8.9	15.6	23.6			39.2	2201

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

41273 KUN-NI HANGS KO 69-70,73-00 FL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FL	0-00												
	03-05												
	06-10		5.5		4.3		9.2	29.9	14.4			44.3	340
	9-11		6.6		4.1		10.7	19.6	24.1		.2	43.9	617
	12-14		4.5		5.3		7.6	8.2	23.3		.5	32.0	610
	15-17		4.6		1.2		5.8	4.3	17.1		.6	22.4	500
	18-20												
	21-23												
TOTALS			5.3		5.2		8.4	15.6	19.7		.3	35.7	2065

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

4 273 Koon-Ni Range KO 56-70, 73-79 MAP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAP	0-02												
	03-05												
	06-08		0.2		1.5		7.7	30.2	15.4		.3	51.9	339
	09-11		2.9		1.0		4.0	19.4	25.8		.4	45.7	691
	12-14		2.5		1.5		3.9	7.6	21.6			29.2	607
	15-17		4.2		1.0		5.2	3.2	14.5		.2	17.8	595
	18-20												
	21-23												
TOTALS			4.0		1.3		5.2	16.6	19.3		.2	30.2	2332

GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

47273
STATION

KUON-NI RANGE KO
STATION NAME

55-73,73-79
YEARS

8P1
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & / OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02												
	03-05												
	06-08		7.0		.3		7.3	25.3	16.0			41.4	399
	09-11		7.0				7.0	9.5	20.5		.7	31.0	673
	12-14		7.4		.2		7.5	3.5	13.9		.9	18.4	653
	15-17		7.1				7.1	2.1	9.0		.7	11.6	577
	18-20												
	21-23												
TOTALS			7.1		.1		7.2	10.1	14.9		.6	25.6	2302

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

10-10-5(OL A)
10-10-5(OL A)

WEATHER CONDITIONS

4773 NOON-NI RANGE KO 68-70, 73-79 MAY
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02												
	03-05												
	06-08		6.9				6.9	20.1	15.5			35.6	393
	09-11		3.0				8.0	9.2	12.3			21.6	649
	12-14	.2	6.6				6.6	3.9	8.9			12.6	641
	15-17		5.7				5.7	2.4	4.4			6.8	542
	18-20												
	21-23												
TOTALS		.1	6.6				6.8	8.9	10.3			19.2	2225

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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REPORT NUMBER
8-10-5 (DL A)

WEATHER CONDITIONS

40173
STATION

K'ON-NI RANGE KO
STATION NAME

65-72, 73-79
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02												
	03-05												
	06-08	.8	10.9				10.9	34.0	11.7			45.7	294
	09-11	.2	5.3				8.3	15.7	15.5			33.2	665
	12-14	.2	9.0				9.0	5.2	13.5			18.7	657
	15-17		6.0				6.0	2.8	12.1			15.0	562
	18-20												
	21-23												
TOTALS		.3	8.6				8.6	14.7	13.5			28.2	2254

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GLOBAL CLIMATOLOGY BRANCH
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AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

WEATHER CONDITIONS

47073 KCON-NI RANGE KO 66-71, 73-79 JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02												
	03-05												
	06-08	.3	13.0				13.0	25.6	16.6			41.2	346
	09-11	.3	13.5				13.5	11.1	17.2			23.3	642
	12-14	.5	11.8				11.8	3.3	12.4			15.7	611
	15-17		11.2				11.2	2.2	6.9			11.2	537
	18-20												
	21-23												
TOTALS		.3	12.4				12.4	10.6	13.8			24.4	2156

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE AIRCRAFT ON
SECTION 100

WEATHER CONDITIONS

41-73 STATION MOON-NI RANGE KO 68-70, 73-79 YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02												
	03-05												
	06-08	.2	9.7				9.7	29.5	7.7			37.2	414
	09-11	.4	9.3				9.3	13.6	12.9			26.5	69
	12-14	.8	8.1				8.0	2.6	11.6			14.4	646
	15-17	.7	7.5				7.5	.5	9.5			10.1	567
	18-20												
	21-23												
TOTALS		.5	8.6				8.6	11.6	10.5			22.1	2316

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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WEATHER CONDITIONS

41273 KUN-NI RANGE KC 68-73,73-79 SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02												
	03-05												
	06-08		0.7				8.7	31.2	3.0			34.7	4.1
	09-11		7.5				7.5	16.0	10.7			26.7	636
	12-14	.5	7.6				7.6	2.2	7.9			10.0	632
	15-17		6.8				6.8	.2	5.			5.2	558
	18-20												
	21-23												
TOTALS		.1	7.7				7.7	12.4	6.8			19.2	2227

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

OF WATER CONDITION
SEE PAGE

WEATHER CONDITIONS

47733 KGOON-NI RANGE KO 68-71, 73-79 OCT
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02												
	03-05												
	06-08		3.9				3.9	33.2	7.0			41.2	440
	09-11		5.1				5.1	15.8	14.0			29.7	673
	12-14		4.1				4.1	1.1	13.9			15.0	661
	15-17	.4	3.5				3.5		7.0			7.0	560
	18-20												
	21-23												
TOTALS		.1	4.2				4.2	12.5	10.5			23.0	2342

2

GLOBAL CLIMATOLOGY BRANCH
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USE WITH CAUTION
SEE FIRST PAGE

WEATHER CONDITIONS

43.73 KOON-NI RANGE KJ 68-72, 73-79 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (P.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02												
	03-05												
	06-08		3.6		1.0		4.5	30.1	6.8			35.9	419
	09-11		3.8		1.7		5.5	20.5	14.7			35.1	655
	12-14		3.6		1.9		5.5	6.6	14.6			21.1	639
	15-17		4.1		1.1		5.2	2.3	10.3			12.6	555
	18-20												
	21-23												
TOTALS			3.8		1.4		5.2	14.9	12.1			26.9	2269

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

LINE WITH SAMPLE
SEE FIRST PAGE

41073 Koon-Ni Range KO 68-7 , 73-79 DEC
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02												
	03-05												
	06-08		4.6		3.9		8.6	31.3	12.6			43.9	346
	09-11		6.0		4.7	.2	10.7	20.8	26.9			47.7	535
	12-14		4.8		4.4	.2	9.3	5.4	30.2			35.7	589
	15-17	.2	3.3		3.8	.2	7.5	2.2	17.6			19.8	500
	18-20												
	21-23												
TOTALS		.1	4.7		4.2	.2	8.9	14.9	21.8			36.8	2120

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

USE WITH CAUTION
SEE FIRST PAGE

41073 KCON-NI RANGE KO 66-71,73-81 ALL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		2.1		6.9		8.9	13.6	23.6			39.2	2211
FEB			5.3		3.2		8.4	15.6	19.7		.3	35.7	2065
MAR			4.2		1.3		5.2	16.6	19.3		.2	36.2	2332
APR			7.1		.1		7.2	10.1	14.9		.6	25.6	2712
MAY		.1	6.6				6.6	8.9	10.3			19.2	2225
JUN		.3	8.6				8.6	14.7	13.5			26.2	2264
JUL		.3	12.4				12.4	10.6	13.8			24.4	2156
AUG		.5	8.6				8.6	11.6	10.5			22.1	2316
SEP		.1	7.7				7.7	12.4	6.6			19.2	2227
OCT		.1	4.2				4.2	12.5	10.5			23.2	2342
NOV			3.6		1.4		5.2	14.9	12.1			26.9	2268
DEC		.1	4.7		4.2	.2	8.9	14.9	21.8			36.4	2120
TOTALS		.1	6.3		1.4	.0	7.7	13.2	14.7		.1	28.0	26638

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $5/8$ mile.

1. CLIMATE/CLIMATE CHANGE
 2. DATA
 3. DATA SOURCE/AREA

4. LOCATION
 5. DATE

WEATHER CONDITIONS
 ATMOSPHERIC PHENOMENA

STATION: KUN-NI AGE KC YEARS: 71-8 ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY		11.7		23.9		34.3	41.1	34.9	.1		61.1	13
FEB			12.1		19.9		29.3	41.3	32.4			64.4	191
MAR			20.9		5.1		27.4	42.1	33.4			64.1	234
APR			24.3		.3		24.3	45.3	31.6			.4	17
MAY		1.4	21.4				21.4	47.1	32.3			61.4	62
JUN		1.4	23.9				29.9	47.5	43.9			71.4	171
JUL		1.2	42.3				42.3	47.6	35.6			64.6	17
AUG		1.2	47.3				37.3	43.4	31.6			71.4	273
SEP		2.3	45.3				28.3	41.1	35.3			47.1	112
OCT		2.3	18.1				18.0	42.9	36.4			51.4	117
NOV		1.9	23.4		9.3		31.3	40.2	43.5			53.7	214
DEC		1.2	17.7		19.1		34.3	45.6	33.1			61.2	273
TOTALS		1.4	23.3		6.7		29.2	44.7	44.2	.1		51.1	2044

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

B

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	"00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	"0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST
Jan 46-May 57 at 1230GMT
Jun 57-present at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52 at 0030GMT
Jul 52-May 57 at 1230GMT
Jun 57-present at 1200GMT

2

STATION NAME

STATION NUMBER

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN																		
FEB																		
MAR																		
APR																		
MAY																		
JUN																		
JUL																		
AUG																		
SEP																		
OCT																		
NOV																		
DEC																		
ANNUAL																		

1210 WS FORM JUL 64 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN					
FEB					
MAR					
APR					
MAY					
JUN					
JUL					
AUG					
SEP					
OCT					
NOV					
DEC					
ANNUAL					

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION STATION NAME YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
ANNUAL

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

Values for the first two columns are based on measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE / MAC

USE WITH CAUTION
SEE FIRST PAGE
**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

SURFACE WINDS

4273 STATION KCON-NI RANGE KO STATION NAME 65-74,73-60 YEARS JAN MONTH 637-0000 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.4	4.0	1.3								1.5	7.7
NNE	2.4	5.1	2.4	.3								1.2	4.2
NE	2.1	3.3	.6									.7	4.1
ENE	2.7	2.4	1.1	.3								.4	4.3
E	3.2	3.2	2.7	.5	.3							.9	5.6
ESE	5.9	5.6	.6	.5								12.6	4.2
SE	2.1	4.2	2.4	.3								2.7	5.3
SSE	.3	.2	1.3									2.4	.6
S	.4	1.3	1.1	.3								3.5	5.7
SSW			.6									.6	.7
SW													
WSW		.3										.3	4.1
W		.2	.3	.3								.4	3.7
WNW	.3	.2	.8	.3	.3							2.4	.8
NW			2.1	1.1	.5	.3	.4	.3				2.1	1.4
NNW	.3	1.3	4.3	4.0	1.3	.3	.3					11.9	11.7
VARBL		.3										.3	.7
CALM												3.7	
	1.2	32.4	24.7	4.1	2.4	.5	1.1	.3				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MOON-NI RANGE MO STATION NAME 69-70, 77-80 YEARS JAN
MONTH 900-1100
CLASS ALL WEATHER
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.5	2.4	1.8		.1						3.5	7.6
NNE	3.5	2.0	2.7	.3								3.5	2.7
NE	2.0	1.8	1.2	.2								3.2	4.9
ENE	1.7	1.2	1.5	.7								4.7	2.5
E	3.2	2.9	1.8	.5		.1						4.5	5.4
ESE	2.9	5.5	2.9	.5								11.7	5.5
SE	2.6	4.7	3.8	.5								11.6	5.6
SSE	1.7	2.0	1.2	.2								5.0	5.2
S	1.2	.9	.9	.2								3.2	5.5
SSW	.3	.2	.3									1.4	5.4
SW	.1	.2	.6	.2								1.1	6.1
WSW				.2								.2	15.2
W	.5	.5	.6	.7		.2						2.0	7.6
WNW	.5	.3	.5	.9								2.1	9.6
NW	.5	.5	3.2	1.5	.8	.9	.2	.3				7.8	13.5
NNW	.5	1.7	4.1	2.7	.2	.2	.3					13.4	16.8
VARBL	1.7	.6	.3									2.6	3.6
CALM												5.5	
	23.3	29.0	28.2	12.1	1.7	1.5	.5	.3				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 656

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE
PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4000-01 RANGE KD STATION NAME 69-70, 77-10 YEARS JAN
CLASS ALL WEATHER MONTH 1900-1910
CONDITION 1200-1400
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.6	2.7	1.3	.3							7.8	7.7
NNE	.6	.5	.9	.5								2.5	2.9
NE	.2	.3	.3	.5								1.1	7.6
ENE	.9		1.1	.6	.2							2.8	7.7
E	.6	1.7	1.1	.8	.2							4.4	7.4
ESE	.8	3.2	1.6	.5								5.5	6.2
SE	1.1	3.5	2.4	.2								7.1	5.9
SSE	.5	2.4	1.1	.2								4.1	5.9
S	1.3	1.9	1.1		.2							4.4	5.5
SSW	.3	.9	.5	.5	.2							2.4	7.9
SW	.9	1.3	.2	.2								2.5	4.3
WSW	1.1	.3	1.1	.8								3.3	7.5
W	3.6	2.7	.9	.9	.5	.2						8.5	6.3
WNW	1.6	3.5	4.7	.9	.5	.2						11.3	7.6
NW	1.3	2.2	5.3	3.8	1.4	.3	.2	.2				14.6	1.7
NNW	1.1	1.4	4.6	2.2	.6	.2	.2					1.2	2.6
VARBL	1.7	.7	1.1									3.1	4.7
CALM												3.8	
	19.6	27.3	30.6	13.5	3.9	.8	.3	.2				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 637

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44273 BROWN-NI RANGE K9 STATION NAME 69-79, 73-80 YEARS JA MONTH 1500-1700
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	1.1	1.3	1.5	.6							5.9	7.6
NNE	.9	.9	.6	.2								2.5	5.1
NE	.4		.6	.2								1.1	4.7
ENE	.4	.2	.9	.4								1.9	4.1
E	.7	.9	.6	.4								2.6	6.7
ESE	.7	.6	.7	.6								2.6	7.3
SE	.6	2.3	.9	.2								4.5	5.3
SSE	.7	.7	.2	.2								1.9	4.7
S	1.3	1.3	.7	.2								3.6	5.1
SSW	.6	.4	1.5	.7	.4							3.6	9.1
SW	.7	.6	1.3									2.6	5.9
WSW	.6	.9	1.1	.4								3.0	6.6
W	3.0	2.0	2.8	2.1	.6							12.3	7.8
WNW	1.7	3.4	7.7	3.2		.2						10.1	6.3
NW	2.1	3.2	4.9	4.9	1.3	.9	.2					17.4	10.5
NNW	1.7	3.5	4.9	3.7								13.3	8.3
VARBL	1.7	.2	.2									2.1	2.9
CALM												2.1	
	28.2	24.1	37.8	18.7	2.9	1.1	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 571

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

USE WITH CAUTION
REVERSE PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4-73 STATION KEON-NI RANGE RO STATION NAME 64-7413-1 YEARS 1964-1973 MONTH JAN
CLASS ALL WEATHER HOURS (L.S.T.) 24
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.2	2.5	1.5	.2	.1						5.0	7.5
NNE	1.0	1.3	1.6	.3								1.6	2.4
NE	1.1	1.7	.7	.2								3.3	3.0
ENE	1.3	.3	1.2	.4	.2							3.4	3.7
E	1.0	2.1	1.5	.5	.1	.2						6.1	5.4
ESE	2.3	3.0	1.6	.5								6.3	5.4
SE	1.5	3.0	2.5	.3								3.2	5.6
SSE	.9	1.6	1.2	.1								3.5	2.5
S	1.2	1.4	1.2	.1	.2							3.7	5.4
SSW	.3	.6	.7	.3	.1							2.1	7.9
SW	.5	.5	.5	.1								1.7	2.6
WSW	.3	.4	.6	.4								1.6	7.3
W	1.2	1.0	1.2	.9	.3	.1						4.3	6.8
WNW	1.2	2.1	3.5	1.4	.7	.1						8.2	6.1
NW	1.0	1.5	4.0	2.0	1.2	.6	.3	.2				11.6	11.6
NNW	.9	1.2	4.5	3.0	.7	.1	.2					11.3	12.0
VARBL	1.4	.4	.5									2.2	3.9
CALM												4.5	
	21.1	27.9	28.9	13.0	2.7	1.0	.5	.2				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 2401

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
3 - WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 600N-VI RANGE W2 STATION NAME 60-70.73-11 YEARS 1950-1959 MONTH 1950-1959
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.0	5.2	3.2								11.2	5.6
NNE	1.4	1.1	1.4	.6								4.6	5.1
NE	1.1	3.2	.6									4.9	4.5
ENE	2.2	1.1	1.1	.0								5.2	5.7
E	3.4	6.6	1.1	.6								11.8	4.9
ESE	3.7	5.5	3.2									12.4	5.5
SE	2.9	3.4	2.5									5.6	4.4
SSE	2.2	2.6	.6									5.2	4.1
S	.2	1.4	.3									2.6	4.6
SSW		.3	.6	.3								1.1	3.3
SW		.3	.6	.6								1.4	3.2
WSW		.6										.0	4.5
W		.6	.6	.3								1.4	3.2
WNW	.6	.6	.2	1.1		.3						3.4	10.6
NW	.3	.6	3.2	5.2	.6							9.8	11.7
NNW	.6	1.4	3.2	3.7	1.1							10.1	10.5
VARBL													
CALM												5.0	
	19.8	31.3	24.4	16.4	1.7	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 348

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFD WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 60-73 STATION NAME ALON-NT RANGE RD YEARS 60-73 MONTH SEP
CLASS ALL WEATHER HOURS (L.S.T.) 1900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	1.9	2.4		.2						7.1	3.5
NNE	1.5	1.3	.5	.3								5.9	5.0
NE	.8	1.3	.7	.2								2.1	4.5
ENE	.8	2.3	1.3	.6	.2							5.2	6.6
E	2.4	3.2	2.6	1.6	.2							12.7	6.6
ESE	2.6	5.3	2.1	.2								10.2	5.1
SE	2.6	4.7	4.1									11.3	5.3
SSE	.6	2.1	1.3	.2								4.4	5.6
S	.8	2.3	1.5									4.1	5.0
SSW	.5	.6	.8	.2								2.3	5.9
SW	.2	.2	1.0	1.0								2.3	3.5
WSW	.2	.5	.3	.2	.3							1.6	5.1
W	.8	.6	1.1	.2								2.6	5.9
WNW	.5	.5	1.3	1.3	.6							4.2	11.6
NW	1.2	.5	4.2	3.1	1.2							9.7	10.6
NNW	1.3	1.9	5.8	3.4	.6							13.1	9.4
VARBL	.8	.3	1.3									2.4	5.8
CALM												1.8	
	13.5	31.6	31.1	14.9	2.9	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 617

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

USE WITH CAUTION
DE 11 1960

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 62-73.73-10 STATION NAME 62-73.73-10 YEARS 1950-1955 MONTH 12
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	1.3	.2								1.3	2.6
NNE	.5	.2	.7									1.4	5.1
NE	.1	.2	.2									.5	5.0
ENE	.5	.8	1.3	.2								2.8	8.3
E	1.3	1.5	2.0	1.2	.5							6.5	4.0
ESE	.3	1.3	.7	.2								4.7	5.7
SE	1.1	3.5	2.5	.3								7.7	5.9
SSE	.7	1.5	.2									2.5	4.9
S	2.7	1.8		.3								4.8	3.9
SSW	.7	.3		.3								1.2	5.4
SW		.8	1.7	1.0	.1							3.7	9.2
WSW	.1	1.2	1.8	.5	.3	.2						4.5	4.9
W	1.7	3.3	3.3	2.3		.2						12.8	7.6
WNW	.3	2.2	5.7	6.3	.7							15.7	11.1
NW	.3	3.2	5.5	5.3	.5							14.8	9.7
NNW	1.1	1.3	4.0	3.2	.3							10.3	7.7
VARBL	.3	.3	1.2	.2								2.5	4.2
CALM												1.2	
	14.7	26.7	32.5	21.7	3.1	.3						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 600

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AL WEATHER SERVICE ZRAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 000000 STATION NAME 000000 YEARS 00-70 MONTH 00-12
CLASS ALL WEATHER HOURS (L.S.T.) 00-24
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.1	.4	.2								.2	1.0
NNE		.2	.2									.2	1.0
NE	.2	.4	.2									.2	1.0
ENE	.4	.4	.2	.4								.2	1.0
E	1.2	2.4	.2	.6	.4							.6	1.0
ESE	.4	1.5	1.2	.4								.2	1.0
SE	.4	.5	.2	.6								.2	1.0
SSE	.4	1.1	.2									.2	1.0
S	.4	.4		.2								.2	1.0
SSW			.4	1.6								.2	1.0
SW	.2	.4	.6	1.6								.2	1.0
WSW	.2	.5	.5	1.4	.2	.4						.2	1.0
W	.2	2.3	5.6	2.4	.4							.2	1.0
WNW	.4	.2	2.6	1.2	.3							.2	1.0
NW	.3	2.5	6.9	5.9	1.2							.2	1.0
NNW	.3	2.2	2.4	1.6	.5							.2	1.0
VARBL	1.4	.2	.5									.2	1.0
CALM												.2	1.0
	10.2	24.2	33.0	27.8	3.6	.4						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE
**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

SURFACE WINDS

STATION 4-113 600N-40E RANGE MO STATION NAME 600-700-70-50 YEARS 1 MONTH ALL
CLASS ALL HOURS (L.S.T.) ALL
CONDITION ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.3	1.9	1.4		.1						2.5	3.1
NNE	.8	.7	.6	.2								2.3	3.6
NE	.5	1.2	.3	.1								2.1	4.7
ENE	.2	1.2	1.2	.5	.1							2.3	6.4
E	2.2	3.2	2.0	1.1	.3							2.7	5.7
ESE	1.6	3.9	1.6	.2								7.4	2.4
SE	1.6	3.1	2.4	.2								7.5	5.4
SSE	.9	1.7	.6	.0								3.3	4.5
S	1.7	1.5	.7	.1								3.3	4.5
SSW	.4	.3	.4	.6								1.7	3.1
SW	.2	.4	1.0	1.1	.1							2.6	9.2
WSW	.4	.7	.9	.6	.7	.1						2.9	3.2
W	.2	1.9	2.7	1.6	.1	.1						7.3	7.4
WNW	.6	2.9	4.5	4.8	.6	.7						13.4	3.6
NW	.2	1.5	4.8	4.7	.8							13.1	10.1
NNW	1.0	1.7	4.3	3.0	.8							13.7	9.4
VARBL	.0	.2	.9	.0								2.0	2.4
CALM												1.1	
	15.6	28.0	10.8	20.2	2.9	.7						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 2,65

U.S. NAVAL CLIMATOLOGY BRANCH
USAFETAC
NAV. WEATHER SERVICE/MAL

USE WITH CAUTION
See FIRST PAGE
**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

SURFACE WINDS

STATION 6-73 KRON-NI LAYGE KD STATION NAME 6-73-73-79 YEARS 1961
CLASS ALL WEATHER MONTH 6-1960
CONDITION 6-1960 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.4	1.1
NNE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.2	1.1
NE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	1.1
ENE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	4.0	1.1
E	4.9	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	10.1	1.1
ESE	7.7	4.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	12.2	1.1
SE	3.1	4.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.7	1.1
SSE	2.3	2.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.4	1.1
S	1.0	2.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
SSW	1.0	2.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
SW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.3	1.1
WSW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
W	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
WNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
NW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
NNW	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
VARBL	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
CALM	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
	32.9	29.0	20.3	13.0	3.1	1.0	1.0	1.0	1.0	1.0	1.0	100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 389

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH ACTION
SEE FIRST PAGE
PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WON-MI RANGE RD STATION NAME WON-MI RANGE RD YEARS 61-70, 72-79 MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) 900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.5	.7	.4							4.4	6.6
NNE	.7	1.2	.4									2.5	4.5
NE	.4	.3	.7	.6								2.1	7.9
ENE	.5	1.2	.4	.4	.4							3.5	7.4
E	.9	2.2	2.5	1.3	.1							5.1	7.5
ESE	1.3	5.5	1.9	.3								9.1	9.3
SE	3.2	5.4	2.2	.4								11.3	5.2
SSE	1.3	2.6	1.5									2.5	4.5
S	2.1	2.6	.4	.1								5.3	4.4
SSW	.2	.2	.4	.4	.1							2.5	7.1
SW	.2	1.3	.7									3.9	5.1
WSW	1.2	.2	1.2	.3								3.2	5.8
W	1.2	2.2	2.6	1.2	.4	.1	.1					7.9	6.6
WNW	1.2	2.5	2.5	1.8	.7	.4						4.1	9.3
NW	1.2	.7	3.4	2.4	.5	.3						4.4	10.2
NNW	.1	1.1	2.8	2.5	.3	.1						7.9	10.1
VARBL	.2	.2		.3								2.4	4.4
CALM												2.3	
	2.7	32.6	26.0	13.7	3.5	1.0	.1					107.0	7.1

TOTAL NUMBER OF OBSERVATIONS 651

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4-73 CON-NI RANGE KO STATION NAME 63-71, 73-79 YEARS 12-14 MONTH 12-14 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.1	.4	.1							1.2	1.1
NNE	.6	.4										1.0	3.3
NE	.2	.4	.1	.1	.1							1.2	7.1
ENE	.4	.6	.5	.4	.2							2.4	8.6
E	.2	.6	2.4	1.2	.1							4.5	8.0
ESE	.4	2.4	2.1	.6	.1							5.7	8.7
SE	.7	1.9	.9	.4								4.2	6.2
SSE	.2	1.3	.6									2.7	2.4
S	1.5	2.1	.6	.1								4.3	4.4
SSW	.7	1.1	1.6	.4		.1						4.2	7.4
SW	1.2	.6	.7	.3	.3							3.1	7.2
WSW	1.2	1.6	.6	.4								3.9	2.6
W	1.5	3.2	5.7	3.6	.6	.3		.3				15.4	2.5
WNW	1.2	6.9	8.5	6.9	1.2	.3	.1					25.2	4.3
NW	1.2	4.2	3.1	2.7	1.2	.1						12.6	8.7
NNW	.4	1.7	1.6	.6	.4							4.2	6.5
VARBL	1.5	.1	.1	.3		.1						2.2	5.6
CALM												1.0	
	13.5	30.1	29.7	18.9	4.5	1.0	.1	.3				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 667

GENERAL CLIMATOLOGY BRANCH
USAFETAC
U.S. WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 73 MOON-NE RANGE, MO STATION NAME MOON-NE RANGE, MO YEARS 71-72-73 MONTH MA
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.2	.2	.2							1.2	3.1
NNE	.2	.2	.2	.2								.5	3.4
NE	.2		.5	.2								.8	5.6
ENE		.1	.2	.7								1.3	9.1
E	.7	.7	.5	.9								2.7	7.6
ESE	.7	.5	.2	.7								1.2	7.3
SE	.5	.7	.8	.3								1.7	6.2
SSE		.1	.7	.2								1.7	7.4
S	1.2	.7	.2	.2								1.8	5.8
SSW		.7	.5	.5								1.3	8.8
SW			1.7	.5	.2							2.4	10.2
WSW	.5		1.2	1.2				.3				3.5	12.5
W	.5	4.7	3.1	.4	.2	1.2						12.8	9.6
WNW	1.7	3.1	13.7	1.2	1.3	.3						36.6	9.3
NW	1.2	3.2	5.2	1.2	.3							14.5	8.7
NNW	.7	1.2	1.2	.7	.2							5.4	7.3
VARBL				.2	.7							.5	18.2
CALM												1.3	
	7.6	26.3	40.8	23.9	3.7	1.5		.3				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 595

GENERAL CLIMATOLOGY BRANCH
USAFETAC
410 WEATHER SERVICE/1400

1.0. A. EXPLANATION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAME KYDON-NT RANGE KO YEARS 68-70, 77-79 MONTH 1A
CLASS ALL WEATHER HOURS (L.S.T.) 144
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.0	.6	.0	.0						2.7	6.7
NNE	.7	.7	.5									1.9	4.6
NE	.3	.7	.5	.3	.0							2.0	6.4
ENE	.7	.9	.6	.4	.0							2.3	7.2
E	1.2	1.7	2.2	1.2	.1							6.4	7.1
ESE	1.0	3.1	1.3	.3								5.7	5.2
SE	1.9	3.2	1.4	.3								5.6	5.2
SSE	.9	1.9	.7	.0								3.6	5.1
S	1.6	1.2	.5	.1								4.1	4.7
SSW	.3	.9	.9	.4	.0	.0						3.1	6.3
SW	.7	.5	.9	.2	.1							2.7	6.0
WSW	.8	.3	.9	.6				.1				3.1	7.7
W	.3	3.2	4.7	2.9	.4	.4	.0	.1				12.7	9.3
WNW	1.2	4.3	7.9	5.1	1.1	.3	.7					20.0	9.4
NW	1.1	7.7	3.4	3.7	.8	.1						11.1	9.1
NNW	.4	1.2	2.6	1.5	.4	.1						4.3	9.4
VARBL	1.2	.3	.0	.1	.3	.0						2.0	0.1
CALM												2.2	
	17.3	25.3	23.9	17.2	3.8	1.1	.1	.2				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 2332

U.S. AIR FORCE
 CLIMATE DIVISION
 WEATHER SERVICE/MAC

USE WITH CAUTION
 SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 6-ON-11 PAMU (A) STATION NAME 6-ON-11 PAMU (A) YEARS 65-70 71-74 MONTH APR
 CLASS ALL WEATHER
 HOURS (L.S.T.) 0000-2400
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.5	.5									3.0	4.7
NNE	.7	.7	.5									1.9	3.2
NE	3.0	.3	.5	.3								4.0	3.6
ENE	3.0	2.3	.5									5.8	3.7
E	4.3	4.5	2.3	.5								12.6	5.0
ESE	3.3	7.3	1.3	.5								15.3	4.5
SE	4.7	3.7	1.5	.7								9.7	4.6
SSE	2.3	2.9	1.0									6.2	4.6
S	1.3	1.8	1.3	.3								4.5	5.6
SSW	1.0	.8	1.5	1.0								4.3	7.4
SW	1.0		.8	.5	.7							2.0	7.8
WSW	1.7	2.7	1.8	.3								5.3	5.5
W	.5	1.3	.5	.5		.3						3.5	7.5
WNW		1.3	1.3	.8	1.7		.7					4.0	11.2
NW	.3	1.2	1.5	1.5	.5							5.5	9.0
NNW	.4	.5		.5								1.5	6.0
VARBL	3.7	.9										3.3	2.5
CALM												9.0	
	30.6	34.1	17.3	6.8	1.8	.3	.3					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 399

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE
**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

SURFACE WINDS

STATION 73 STATION NAME MOON-RI RANGE RD YEARS 68-70, 73-79 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) 1900-1100
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.5	1.3	.4								2.1	7.1
NNE	1.2	.6	.6									2.2	4.5
NE	.2	.6	.7	.1								1.6	5.8
ENE	.3	.7	1.2	.6								2.7	8.1
E	1.6	3.6	3.2	1.5								9.7	6.8
ESE	1.8	4.8	4.2	.3	.1							11.1	6.1
SE	1.6	5.1	2.1	.7								9.5	5.8
SSE	1.2	3.3	1.2									5.5	4.9
S	2.5	2.5	1.6	.6								7.3	5.7
SSW	1.6	1.3	1.3	.7	.4							5.5	7.1
SW	.6	2.4	1.3	.9	.1							5.3	7.1
WSW	1.2	1.8	1.2	.4	.1							5.5	5.9
W	2.2	3.0	2.4	1.2	1.3	.1						12.3	4.0
WNW	1.5	2.1	1.5	1.0	1.3	.3						7.7	9.4
NW	.7	1.2	.3	.4								2.7	6.3
NNW	.4	.7	.7									1.9	2.7
VARBL	2.5	1.2		.1								3.7	3.2
CALM												4.5	
	22.7	35.2	24.4	2.2	3.6	.4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 673

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4273 STATION 60N-NI RANGE KD STATION NAME 65-77-79 YEARS 12 MONTH 12-14 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.3	1.1	.3		.2						.5	4.3
NNE	.2			.3								.5	11.0
NE	.2	.1	.2	.2	.2							1.4	2.0
ENE			.2	1.1								2.0	11.5
E	.6	1.2	2.1	1.7	.7							2.0	9.1
ESE	.5	.5	1.5	.8		.2						3.5	6.1
SE	1.1	1.5	1.2	.6								4.7	6.2
SSE	.8	2.2	.3	.2								4.4	2.4
S	1.1	2.5	.3	.5	.2	.2						4.7	6.4
SSW	1.1	.6	1.2	.5	.6							4.0	5.5
SW	.6	1.4	2.5	2.5	.3	.2						7.4	9.4
WSW	.2	1.2	2.6	.8	.2							5.5	8.1
W	1.1	3.4	7.0	4.3	1.7	.6						21.1	9.3
WNW	1.3	4.9	2.2	2.9	.8	.6						16.2	8.7
NW	.8	2.9	2.3	.2								6.0	6.2
NNW	1.1	1.2	2.0	.2								4.4	6.0
VARBL	1.5	1.1	.2									3.1	3.4
CALM												2.3	
	13.3	30.5	31.2	16.7	4.1	1.8						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 653

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

UNIT WITH LOCATION
SEE PREVIOUS PAGE
**PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)**

SURFACE WINDS

STATION 4-73 ARON-NI RANGE KS STATION NAME 68-70, 72-79 YEARS
CLASS ALL WEATHER MONTH APR
HOURS (L.S.T.) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2	.7	.5	.2							2.6	7.2
NNE	.2		.2									.5	2.0
NE	.7	.3	.3		.5							1.7	9.4
ENE	.3	.5	.7	.2	.2							1.9	7.8
E	.2	.2	2.3	.9	.2							3.6	9.2
ESE	.5	.3	.3	.5								1.7	6.6
SE	.5	1.5	.7									2.3	5.3
SSE		.5	.2	.5								1.2	8.3
S	.2	.7	.3	.2	.2	.3						1.9	11.6
SSW	.3	.7	1.4	.9	.2							4.2	10.2
SW	.3	.3	2.2	2.4								5.9	10.6
WSW	.5	.3	4.5	1.4	.3							7.1	9.4
W	.7	3.1	5.8	7.1	2.6							22.6	10.7
WNW	1.6	5.2	17.9	3.1	.3	.3						21.5	8.4
NW	1.2	4.2	7.5	1.0								13.7	7.4
NNW	.5	1.7	1.9									4.2	5.5
VARBL	1.2	.5	1.0									2.8	4.9
CALM												1.2	
	8.8	20.8	44.4	18.7	5.4	.7						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 577

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATTN: WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 60-73 KCON-NI RANGE RD STATION NAME 60-73, 73-79 YEARS
CLASS ALL WEATHER MONTH ALL
CONDITION ALL HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.2	.0	.3	.1	.1						2.1	6.9
NNE	.5	.2	.3	.1								1.1	5.6
NE	.7	.6	.6	.1	.2							2.2	6.4
ENE	.7	.7	.8	.5	.2							2.3	7.1
E	1.4	2.2	2.5	1.2	.1							7.5	7.1
ESE	1.4	3.1	2.0	.5	.2	.1						7.1	5.9
SE	1.6	2.9	1.4	.4								6.3	5.5
SSE	1.1	2.3	.7	.2								4.2	5.3
S	1.3	2.0	.9	.4	.1	.1						4.7	6.4
SSW	1.0	.9	1.3	.7	.5							4.5	6.2
SW	.6	1.2	1.2	1.7	.2	.2						5.6	6.8
WSW	1.2	1.5	2.5	.7	.2							5.9	7.5
W	1.1	3.8	5.0	3.4	1.5	.3						15.1	9.5
WNW	1.3	3.6	4.9	2.0	.9	.3						12.1	8.8
NW	.7	2.5	2.9	.7	.1							6.9	7.2
NNW	.7	1.1	1.3	.1								3.2	6.1
VARBL	2.1	.9	.3	.0								3.3	3.5
CALM													
	17.9	30.1	32.1	13.3	3.9	.9	.2					122.0	7.1

TOTAL NUMBER OF OBSERVATIONS 2300

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

1. WITH EDITION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4-73 KON-NI-DANGI KO STATION NAME 64-72,73-79 YEARS
MONTH MAY
CLASS ALL WEATHER
HOURS (L.S.T.) 1800-1800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.5	1.5									2.5	2.3
NNE	.5	.5	.5									1.5	4.0
NE	1.0	.5	1.0	.3								2.1	5.1
ENE	1.0	1.0	.5	.5								3.0	5.7
E	3.1	4.1	1.0	.5								3.9	4.7
ESE	4.3	3.0	1.0									0.9	4.1
SE	4.3	6.6	1.0									1.0	4.0
SSE	1.5	3.0	.5									5.4	4.4
S	2.5	3.1	1.0									0.9	4.3
SSW	1.0	2.5	1.5									5.4	5.1
SW	2.0	4.1	.5									6.6	4.1
WSW	1.0	1.0	1.0	.8								5.6	5.0
W	1.0	2.0	1.0	1.0								5.9	5.4
WNW	.5	1.0	1.0	.3								4.1	5.0
NW	.3	.5	.3									1.0	5.3
NNW	.5	.3	.5									1.5	4.0
VARBL	2.0	.3										2.3	2.3
CALM												12.5	
	31.3	37.0	15.3	3.6								117.0	4.2

TOTAL NUMBER OF OBSERVATIONS 393

LOCAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

UNIT: METRIC
SEC: METRIC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 60N-NI RANGE RD STATION NAME 60N-NI RANGE RD YEARS 60-70, 71-79 MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) 900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.3								.3	0.2
NNE	.3	.5	.2	.3								1.2	0.4
NE	.6	.5	.8	.5	.2							2.5	0.5
ENE	.5	.9	.5	.6								2.5	0.8
E	.5	2.5	1.4	.8								3.5	0.4
ESE	1.2	4.0	2.5	.5								3.2	0.9
SE	2.5	4.0	2.0									3.1	0.6
SSE	2.2	4.5	2.7									3.3	0.7
S	4.2	2.8	1.5	.2								5.6	0.4
SSW	1.5	2.5	.8	.2	.2							5.1	0.2
SW	1.5	2.3	1.2	.5								5.3	0.4
WSW	2.3	2.5	2.6	.5								6.0	0.5
W	4.0	4.8	2.8	.8								12.3	0.5
WNW	1.7	2.9	2.0	.3	.2							7.1	0.7
NW	1.2	1.1	.6	.2								3.1	0.5
NNW	.5	.5	.5	.2								1.5	0.5
VARBL	2.0	1.2										2.2	3.0
CALM												5.2	
	28.2	38.8	21.7	5.5	.5							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 649

JOINT CLIMATOLOGY BRANCH
USAFETAC
AT WASHINGTON SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WON-DE RANGE KO STATION NAME WON-DE RANGE KO YEARS 1973-1977
 CLASS ALL WEATHER MONTH 12-1977
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	.5	.5	.2							2.3	7.1
NNE	.3	.7	.3	.5								1.4	7.7
NE		1.1	.2	.5	.7							2.5	8.4
ENE		.5	.7	.6	.2	.2						1.7	12.5
E	.2	1.2	.9	.3								2.7	8.8
ESE	1.1	.5	.8	.5								2.1	8.4
SE	.5	1.7	1.1	.6								3.9	6.3
SSE	.8	1.1	.7									2.7	4.4
S	.3	2.5	.6	.2								3.8	4.4
SSW	1.4	1.2	.2	.2								4.0	4.9
SW	.8	1.2	2.2	.3	.5							4.0	7.4
WSW	.6	2.3	2.5	.5	.2							5.3	3.8
W	1.8	5.5	2.2	3.6	.2							22.3	3.1
WNW	1.2	7.5	10.8	.9	.2							21.2	7.1
NW	1.1	2.5	2.8	.5								6.9	6.1
NNW	.5	1.2	1.2	.2								3.1	6.2
VARBL	2.7	1.1	.2									4.1	3.3
CALM												1.7	
	18.6	33.2	35.1	3.7	1.6	.2						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 641

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WON-MI RANGE KD STATION NAME WON-MI RANGE KD YEARS 67-70, 72-74 DAY 15 MONTH 17
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.7										.7	4.7
NNE	.4	.7	.7	.4								1.7	7.8
NE	.4	.7		.2								1.5	4.7
ENE			.2	.7	.2							1.1	14.2
E		.1	.4	.2								.7	8.5
ESE		.2	.2	.2								.6	8.5
SE	.2	.2	.4	.2								.9	6.6
SSE		.7	.2									.8	5.5
S	.4	1.1	.9									2.4	7.5
SSW	.2	.7	1.7	.7								2.8	6.1
SW		1.5	2.2	.4	.2							4.2	8.2
WSW	.2	1.5	1.3	.7		.2						3.9	8.3
W	1.1	3.2	13.7	4.3	.4							23.5	11.9
WNW	1.7	7.4	15.1	5.4	.2							25.8	8.7
NW	.6	5.2	9.4	.6								15.7	7.7
NNW	1.3	3.2	2.2	.2								5.5	5.7
VARBL	1.7	.4	.2									2.2	3.1
CALM												.9	
	8.3	27.5	48.5	13.7	.9	.2						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 242

U.S. AIR FORCE
 120
 120

USE WITH CAUTION
 SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 60-74 STATION NAME ALL WEATHER YEARS 60-74 MONTH MAY
 CLASS ALL HOURS (L.S.T.) ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.5	.2	.2							.3	.2
NNE	.4	.4	.4	.3								.3	.7
NE	.3	.3	.4	.4	.1							.2	.4
ENE	.4	.4	.4	.6	.1	.1						.3	.7
E	.2	.1	.1	.4								.4	.2
ESE	.4	.2	.3	.3								.3	.5
SE	.7	.1	.2	.2								.1	.2
SSE	.1	.5	.7									.3	.6
S	.5	.3	.1	.1								.3	.5
SSW	.2	.9	.1	.3	.1							.5	.6
SW	.1	.1	.6	.3	.2							.3	.2
WSW	.8	.1	.2	.6	.2	.1						.7	.2
W	.2	.3	.8	.7	.1							.2	.7
WNW	.6	.1	.6	.5	.1							.2	.7
NW	.9	.4	.3	.3								.9	.6
NNW	.7	.2	.1	.1								.2	.7
VARBL	.1	.2	.1									.1	.1
CALM												.4	
	.1	.2	.0	.4	.3	.1						.1	.1

TOTAL NUMBER OF OBSERVATIONS 1225

CLIPAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

43-73 STATION KCON-MI RANGE KC STATION NAME 63-74-73-79 YEARS MONTH 6000-60 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	.2										2.5	3.1
NNE	.5	1.0	.3									1.8	4.6
NE	.5	.8	.3									1.6	4.3
ENE	.9	.3	.8	.3								2.5	6.2
E	3.6	4.1	2.8	.3								10.7	6.4
ESE	4.5	5.1	1.2	.5	.3							12.6	4.9
SE	6.1	3.3	2.9									12.7	4.3
SSE	4.1	1.8	1.5									7.4	4.7
S	2.5	3.6	1.7	.5								7.6	4.6
SSW	3.3	2.0	.3	.3								5.9	3.6
SW	1.3	2.8	.5									4.3	4.3
WSW	1.8	1.0	.3	.3								3.3	4.3
W	1.6	3.3	1.5		.2							7.1	3.2
WNW	1.0	1.3	.5	.5								3.6	6.1
NW	1.3											1.3	2.4
NNW	1.3	.2	.3									1.3	3.7
VARBL	4.3	.3										4.6	2.1
CALM												9.4	
	40.5	32.6	14.5	2.5	.5							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 193

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WCON-NI RANGE KW STATION NAME WCON-NI RANGE KW YEARS 61-70, 72-79 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 1900-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7										.3	4.7
NNE	1.1	.6	.2									1.6	4.3
NE	.2	1.1	.3	.3								1.6	4.9
ENE	.3	.3	.9	.6								2.6	7.5
E	.5	3.1	2.1	.9	.2	.1						6.8	7.8
ESE	1.2	2.9	1.7	1.1								6.8	6.7
SE	2.4	5.3	2.4	.9								11.2	5.8
SSE	.7	4.4	1.4	.5								6.1	5.1
S	5.7	3.2	1.8	.3								10.7	4.6
SSW	2.1	1.2	.6	.2								4.1	4.3
SW	1.5	2.1	.5	.2								4.4	4.3
WSW	1.3	1.4	.3	.3								5.7	3.5
W	4.7	4.1	2.2	.5								12.0	5.0
WNW	2.4	2.4	.6									5.9	3.9
NW	1.4	2.1	.5									3.9	4.2
NNW	1.4	.2	.3									2.6	3.6
VARBL	4.7	1.1										5.7	2.0
CALM												5.7	
	35.3	36.4	16.2	7.9	.2	.3						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 665

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

BEFORE YOU BEGIN
SEE FIRST PAGE
PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4-73 STATION MOON-NI RANGE KS STATION NAME MOON-NI RANGE KS YEARS 68-70, 72-79 MONTH JUL
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.1										1.2	2.3
NNE	.2		.5									.5	2.2
NE	.2	.5	.2									.5	4.4
ENE	.2	.3	.2	.3	.1							1.1	2.7
E	.2	1.2	1.4	.9	.3							4.7	6.5
ESE	.6	2.2	2.3	.8								5.6	7.4
SE	.2	.5	1.5	.2	.1							2.7	6.9
SSE	1.1	2.6	1.3	.3								5.5	5.5
S	2.7	2.3	.9									5.5	4.2
SSW	1.1	1.5	1.5	.6								4.7	6.6
SW	.2	1.5	.8	.2								3.2	5.3
WSW	1.2	2.5	2.1	.3								7.5	3.4
W	2.7	5.7	4.1	1.1								14.5	8.1
WNW	4.1	7.2	5.5	1.1								17.7	5.8
NW	2.4	6.4	4.3	.5								13.5	5.7
NNW	.5	1.3	1.2									3.7	5.6
VARBL	3.5	1.4	.2									5.3	3.1
CALM												1.2	
	23.1	47.5	28.3	6.1	.8							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 657

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 4-75 REDON-NI RANGE RD STATION NAME 86-70, 77-79 YEARS JUL MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 0000-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.2	.7									2.2	4.2
NNE	.2		.2									.4	2.5
NE	.2		.4									.6	2.7
ENE		.2	.7		.2							1.1	3.5
E	.9	.9	.5	1.2	.4							3.9	9.2
ESE	.2	.2	1.4	.2								2.1	7.6
SE	.4	.2	.7	.4								1.6	7.2
SSE	.5	.2	.2	.5	.2							2.0	6.1
S	.2	.2	.9	.7	.2							3.2	8.1
SSW		.7	.7	.4								1.8	6.2
SW	.4	1.1	1.8									3.2	7.1
WSW	.5	.5	.5	1.1								3.0	6.5
W	1.2	2.7	7.4	4.2	.2							15.7	6.7
WNW	1.4	14.1	14.3	3.7								29.5	7.4
NW	1.5	5.2	7.5	1.5	.2							19.1	7.4
NNW	.5	2.7	1.9	.2								5.3	3.2
VARBL	1.9	.2										2.8	5.2
CALM												.5	
	11.5	29.9	42.8	14.1	1.2							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 566

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WON-NT RANGE MO STATION NAME WON-NT RANGE MO YEARS 68-70, 73-79 MONTH JUL

CLASS ALL WEATHER HOUR (L.S.T.) ALL

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	.1									1.7	4.2
NNE	.5	.4	.3									1.1	4.4
NE	.2	.6	.3	.1								1.1	5.6
ENE	.2	.5	.6	.3	.1							1.4	7.7
E	1.2	2.1	1.6	.8	.2	.1						6.1	7.2
ESE	1.4	2.5	1.7	.7	.2							6.3	6.4
SE	1.9	2.4	1.8	.4	.1							6.6	5.7
SSE	1.7	2.5	1.4	.4	.2							6.8	5.5
S	2.2	2.6	1.2	.5	.2							7.1	4.9
SSW	1.5	1.3	.8	.4								4.0	5.3
SW	1.1	1.4	.9	.1								3.3	5.1
WSW	2.0	1.5	1.1	.5								5.0	5.2
W	2.8	4.3	4.2	1.5	.1							12.8	6.5
WNW	2.5	5.5	5.4	1.3								14.7	6.4
NW	1.7	4.0	3.7	.5	.2							10.0	5.3
NNW	.2	1.5	1.0	.2								3.4	5.2
VARBL	3.7	1.7	.5									4.7	2.7
CALM												3.5	
	26.8	35.3	24.0	7.4	.7	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 2261

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
40 WEATHER SE-VIC/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4-73 W. GR-NI RANGE RD STATION NAME 68-74-73-79 YEARS JUL MONTH 68-73 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.2	.5	.3								2.6	3.5
NNE	.5	.7	1.3	.5								2.6	7.6
NE	.5	.8	2.6	.5								4.4	7.5
ENE	1.3	1.2	1.8	.3								3.2	5.8
E	1.6	4.7	2.6	.5								10.4	6.2
ESE	3.4	4.4	2.1	.3	.3							10.4	5.1
SE	3.6	5.5	2.9									11.9	4.7
SSE	2.6	3.1	1.3	.5								7.5	4.9
S	3.4	2.3	2.3	.5								3.6	5.3
SSW	1.1	3.6	2.1	.3	.5							2.6	5.6
SW	.8	.8	.5									2.1	4.3
WSW	1.0	.8	.3									2.1	3.9
W	1.6	.8	1.3									3.6	4.6
WNW	1.3	.9	.5									2.6	3.8
NW	.5											.5	2.5
NNW	.3	.3	.8									1.3	6.2
VARBL	1.9	.5										2.3	2.6
CALM												12.2	
	28.1	31.4	23.9	3.6	.8							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 365

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

43073 KOCN-NI RANGE MO 48-70.73-79
STATION STATION NAME YEARS
JUL
MONTH
ALL WEATHER
CLASS
1955-1958
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	.8									1.2	5.3
NNE		.5	.5	.6								1.8	9.2
NE	.2	.5	1.0	.5								2.1	8.5
ENE	.2	.5	1.4	.2								2.3	7.1
E	1.0	3.9	5.8	1.4	.2							12.2	7.7
ESE	1.9	3.1	2.9	.5	.2							8.5	6.3
SE	2.6	5.8	2.6	.3								11.3	5.3
SSE	2.3	4.2	2.7	.3								9.5	5.3
S	5.1	5.6	3.4	.2								14.3	4.7
SSW	1.1	2.3	2.4	1.3	.5							7.6	6.0
SW	1.1	1.3	1.4	.2	.2							4.2	6.3
WSW	1.6	.8	.5	.2								3.1	4.1
W	2.6	1.3	1.3	.3								5.5	4.6
WNW	1.6	1.6	.3									3.6	3.6
NW	1.3	.3	.3									1.9	3.6
NNW	1.4	.6	.8									2.9	4.2
VARBL	1.5	1.4										3.2	3.2
CALM												4.3	
	25.9	34.7	28.1	5.9	1.0							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4073 STATION KODON-NT RANGE KO STATION NAME 68-7.73-79 YEARS JUL MONTH 12-7-1400 HOURS (L.S.T.)
ALL FAIRER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	1.0	.2								1.2	7.3
NNE	.3	.7	.5	.5								1.6	7.2
NE	.2	.2	.2	.5								1.0	6.5
ENE	.2	.7	1.2	1.0								3.1	6.5
E	.8	1.1	4.1	1.5	.2							7.7	6.3
ESE	.5	2.1	3.6	.8								7.0	7.3
SE	1.1	2.6	1.6	.3								5.7	6.7
SSE	.3	2.5	2.0		.2							5.4	5.9
S	2.9	3.4	2.9	.7								10.3	5.6
SSW	1.0	4.1	2.6	1.5								10.0	5.6
SW	1.1	1.2	2.8	1.0	.2	.2						7.2	5.2
WSW	1.3	1.3	1.5	.7								4.7	5.1
W	3.3	3.9	3.6	1.0								11.0	5.5
WNW	2.0	5.2	3.1									10.3	5.3
NW	.3	2.8	1.8									5.4	5.5
NNW	.3	1.5	.7									2.9	4.3
VARBL	1.1	.5										2.6	2.5
CALM												.3	
	20.5	34.5	33.9	9.5	.5	.3						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 611

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40023 KJON-NI RANGE KO STATION NAME 65-71, 77-79 YEARS JUL MONTH 1500-1700 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.5	.9									2.2	5.8
NNE		.4	1.3	.2								1.9	5.2
NE	.2	.4	.6									1.1	5.8
ENE	.2	.2	.9	1.1								2.4	4.6
E	.2	1.5	2.2	.7								4.7	7.8
ESE	.6	2.1	2.2	.6								5.4	7.1
SE	.4	1.7	2.2									4.3	6.1
SSE		1.3	1.1	.4	.4							3.2	5.1
S	1.1	2.2	.9	.7	.4							2.2	7.3
SSW	.6	2.6	2.2	1.9	.2							7.6	6.3
SW	.6	1.5	3.5	.9	.2							6.7	7.2
WSW	1.1	1.7	1.9	1.3	.2							6.1	7.5
W	1.5	4.1	6.1	1.5	.4							13.6	7.5
WNW	2.1	6.3	8.8	.9								18.1	6.4
NW	1.7	4.3	4.3	.9								17.8	6.6
NNW	.6	1.3	.7	.4								3.0	5.9
VARB	1.1	.4	.2									1.7	3.3
CALM												1.5	
	1.7	33.3	40.2	11.5	1.7							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 537

GLOBAL CLIMATOLOGY BRANCH
 1140 AFAC
 AIR WEATHER SERVICE/MAC

USE WITH CARE
 SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4-73 WCH-NI RANGE RD STATION NAME 6-70, 71-74 YEARS JUL MONTH
 CLASS ALL WEATHER HOURS (L.S.T.) ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.8	.1								2.2	6.2
NNE	.2	.4	.8	.5								1.5	6.2
NE	.2	.4	1.1	.4								2.1	7.9
ENE	.4	.7	1.2	.6								3.1	7.6
E	.6	2.5	4.0	1.1	.1							3.7	7.5
ESE	1.4	2.8	2.8	.6	.1							7.7	6.4
SE	1.4	3.5	2.3	.2								5.1	5.3
SSE	1.3	2.8	1.9	.3	.1							4.4	5.7
S	3.2	3.6	2.5	.5	.1							4.9	5.4
SSW	1.5	3.2	2.4	1.3	.3							7.6	7.1
SW	.9	1.4	2.2	.6	.1	.1						5.3	7.4
WSW	1.3	1.2	1.1	.6	.2							4.1	6.5
W	2.1	2.6	3.2	.7	.1							7.5	5.2
WNW	1.3	3.7	7.2	.2								8.9	5.6
NW	1.1	1.6	1.7	.2								4.9	5.9
NNW	.8	1.2	.7	.1								2.6	5.1
VARBL	1.7	.7	.4									2.5	3.0
CALM												4.0	
	21.2	33.7	32.0	7.9	1.7	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 2155

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE
PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 400N-NT RANGE AC STATION NAME 60-70.70-79 YEARS MONTH 400N-NT RANGE AC
CLASS ALL WEATHERS HOURS (L.S.T.) 400N-NT RANGE AC
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	1.1									1.1	2.3
NNE	1.4	1.6	1.2	.2								1.6	4.6
NE	3.4	4.3	1.4									2.2	4.4
ENE	1.7	3.0	2.9	.5								2.9	5.2
E	1.6	5.8	4.8	.5								15.7	5.3
ESE	2.4	4.6	1.9									8.9	5.7
SE	2.7	2.7	1.7	.5								7.2	5.4
SSE	1.2	1.7	2.4	.2								5.6	4.0
S	5.3	4.3	2.4									12.1	4.5
SSW	1.1	1.4	1.7									4.1	5.8
SW	.2	1.1	.2									1.4	4.2
WSW	.5	.2										.7	3.7
W	.7	.2	1.4									2.4	5.6
WNW		.2	.5	.5	.2							1.4	1.7
NW		.2		.2								.7	3.7
NNW	.5	.2										.7	5.3
VARBL	1.4	.5										1.7	2.3
CALM												1.9	
	20.7	30.7	22.7	2.7	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 414

U.S. AIR FORCE
CLIMATE BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DE WIND
SL 14-10-11

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ELON-NI RANGE KC STATION NAME ELON-NI RANGE KC YEARS 50-70-71-72-73-74-75-76-77-78-79 MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) 24-1100
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	1.2	.3	.1							2.7	6.4
NNE	.6	.9	1.8	.7								2.6	6.7
NE	.9	1.2	2.4	.7		.1						3.4	7.0
ENE	.7	1.3	2.2	.7								3.1	7.0
E	.7	4.2	5.2	1.6								11.5	7.4
ESE	1.9	5.2	3.5	.3								15.5	6.5
SE	2.2	3.7	2.4	.3								7.6	6.5
SSE	1.9	3.7	2.4	.3								8.5	6.6
S	3.9	4.7	3.1	.9	.1							12.1	6.7
SSW	1.9	1.8	1.8	1.5								7.0	6.9
SW	1.7	1.2	1.0									3.6	6.0
WSW	.7	1.0	.7	.1								2.2	4.0
W	1.5	1.3	.9									4.5	4.6
WNW	.9	1.5	1.6									4.0	5.6
NW	.4	.3			.7	.1						1.2	6.6
NNW	.9	.4	.6									1.9	4.8
VARBL	1.9	.6										2.5	2.8
CALM												4.7	
	24.1	33.6	30.0	7.2	.6	.3						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 269

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

UNIT AND LOCATION
Name of ship

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION USAFETAC STATION NAME USAFETAC YEARS 61-70, 74-79 MONTH 12
CLASS ALL STATIONS
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0									.0	.0
NNE	.2	.5	1.4	.6								.2	.2
NE	.6	1.4	2.3	.3								.1	.1
ENE		.5	2.5	.5								.6	.4
E	.8	1.7	4.5	.9	.2							.1	.7
ESE	.3	1.1	2.9	.2								.6	.3
SE	.2	2.5	1.4									.5	.3
SSE	.2	1.7	.8		.2							.4	.2
S	1.9	3.2	2.5	1.2	.7							.2	.5
SSW	1.4	1.5	4.3	2.2	.2							.4	.2
SW	1.1	1.1	2.3	.2								.6	.2
WSW	1.2	1.4	.2									.8	.2
W	3.7	4.3	4.3	.6								.5	.5
WNW	3.1	3.9	3.6	.9								.5	.4
NW	1.5	1.9	.9	.2	.5							.2	.3
NNW	.2	.6	.6									.2	.4
VARBL	2.9	1.7	.2									.4	.4
CALM												.7	
	21.5	31.3	35.8	7.6	1.2							100.0	.2

TOTAL NUMBER OF OBSERVATIONS 640

REGIONAL CLIMATOLOGY BRANCH
AFMPC/ATC
AFMPC/ATC SERVICE/440

USE WITH CAUTION
DO NOT SCALE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 6-0N-NI RANGE AC STATION NAME 6-70-1-79 YEARS 1961-1970 MONTH 1961-1970
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.2	1.2									1.6	6.1
NNE	.2	.7	.9									1.7	5.8
NE	.3	1.2	2.6	.9								5.5	7.6
ENE	.5	1.2	2.2	.7								4.1	6.9
E	.3	2.2	2.6	1.2								6.1	7.7
ESE	.2	1.2	.5									1.9	5.6
SE		1.3	.5									2.8	5.9
SSE	.2	1.7	1.2		.7							3.1	6.6
S	1.5	2.7	1.5	.5	.7							6.4	6.7
SSW	.5	.9	4.1	1.5								7.2	6.7
SW	.5	1.5	3.4	.3								5.8	7.1
WSW	.5	.5	.9	1.5								2.9	6.2
W	1.7	4.2	5.6	2.9	.2							14.7	7.6
WNW	1.2	5.7	9.2	2.7	.3							19.4	7.9
NW	1.4	3.7	3.9	1.4	.2							12.6	7.7
NNW	.2	2.7	.5									3.1	6.2
VARBL	1.5	1.4										2.9	5.2
CALM												.9	
	11.4	33.7	42.4	12.4	1.2							110.0	7.1

TOTAL NUMBER OF OBSERVATIONS 587

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
NATIONAL WEATHER SERVICE/MAC

USE WITH FORM
SEE INSTRUCTIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WUON-NI DA-GE-KO STATION NAME WUON-NI DA-GE-KO YEARS 66-70, 71-74 MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	1.1	1.0	.1	.0							2.5	6.0
NNE	.0	1.2	1.2	.3								3.2	6.4
NE	1.1	1.0	2.4	.5		.0						2.0	6.7
ENE	.0	1.0	2.4	.5								5.1	7.0
E	1.6	3.1	4.3	1.1	.0							10.2	6.9
ESE	1.2	2.9	2.2	.1								6.4	5.7
SE	1.4	2.4	1.5	.2								5.5	5.4
SSE	1.0	2.3	1.6	.1	.1							5.2	5.8
S	5.0	3.6	2.4	.7	.2							7.9	5.8
SSW	1.2	1.4	2.8	1.4	.0							6.9	7.6
SW	.0	1.2	1.9	.1								4.1	6.3
WSW	.0	.0	.6	.3								2.5	5.8
W	2.0	2.4	3.2	.9	.0							8.9	6.4
WNW	1.4	3.1	3.0	1.0	.1							9.5	7.0
NW	.0	1.6	1.3	.4	.3	.0						4.5	6.9
NNW	.7	.0	.5									2.1	4.8
VARBL	2.0	1.1	.0									3.2	3.3
CALM												3.9	
	11.1	33.3	32.9	7.8	.2	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 2316

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4073 KUON-NI RANGE KO STATION NAME 62-7-72-79 YEARS
CLASS ALL WEATHER MONTH SEP
HOURS (L.S.T.) 600-0800
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.5	.7	.5								4.2	7.3
NNE	1.5	2.2	2.1	.5	.2							4.5	9.6
NE	1.5	4.7	1.5	.2								7.2	5.5
ENE	5.7	4.7	2.2	.5								13.2	4.5
E	5.7	9.1	4.7	.7								19.5	5.0
ESE	9.2	7.2	1.7									17.2	4.0
SE	2.7	1.7	1.7	.2								5.5	4.9
SSE	1.2	.7	1.2	.5								3.5	5.1
S	.7	2.1	1.2	.2								4.0	5.6
SSW	.5	2.1	.5									3.0	5.1
SW	.5	.2		.5								1.2	7.2
WSW		1.2	.5	.2								2.2	6.5
W		.7	.5									1.2	6.6
WNW			.5	.2	.5							1.2	13.5
NW	.2			.2								.5	7.0
NNW		1.2	1.2	.2								2.7	7.4
VARBL	1.7	.5										2.2	2.9
CALM												0.0	
	30.9	38.2	19.2	5.0	.7							17.0	5.0

TOTAL NUMBER OF OBSERVATIONS 4.1

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4-13 MON-N RANGE NO STATION NAME 60-7-72-79 YEARS SEP MONTH SEP-11
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.5	1.4	.5								6.1	5.3
NNE	.8	2.1	2.4	1.1	.3							6.6	7.8
NE	.6	1.6	2.4	.3								4.9	6.7
ENE	.4	2.2	3.1	.5								6.9	6.9
E	2.4	5.3	6.9	2.2								16.6	10.9
ESE	1.3	5.7	3.1	.6								10.7	6.6
SE	2.7	6.3	3.5	.5								12.9	5.5
SSE	2.7	3.2	1.6	.3								3.2	5.1
S	1.7	2.5	1.3	.2								5.7	5.6
SSW	.6	.8	.3		.2							2.0	5.5
SW	.2		.6		.2							.9	5.2
WSW	.3	.2	.5	.3								2.0	5.3
W	.3	1.4	.9	.3								3.0	5.2
WNW	.3	.8	.9	.3	.3							3.1	7.9
NW	.2	.3	.9	.2	.2							2.2	7.6
NNW	.6	.5	.6	.2								2.0	6.4
VARBL	2.4	1.3										3.6	2.9
CALM												3.2	
	12.8	38.5	30.5	7.9	1.1							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 1376

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4575 MOON-NI RANGE KO STATION NAME 60-70, 73-79 YEARS
CLASS ALL WEATHER MONTH 1200-1400
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	1.4	.2								2.3	6.7
NNE	.5	.3	.2	.6								2.2	7.4
NE	.5	1.4	1.3	1.1								4.3	7.8
ENE	.2	.2	2.5	.8	.2							4.4	8.4
E	.3	3.5	5.9	2.2								11.9	6.0
ESE	.3	2.2	1.9	.3								5.2	6.5
SE	.5	2.8	1.9	.3								5.5	6.5
SSE	.9	2.5	1.3	.5								5.2	5.9
S	1.2	3.3	.9	.2								8.1	4.4
SSW	1.9	1.1	.6									3.6	4.0
SW	1.3	1.1	.2	.5								3.0	5.3
WSW	.9	1.4	.5	.2		.2						3.0	6.1
W	2.0	4.3	4.3	.8	.2	.2	.2					12.7	6.6
WNW	1.1	2.2	4.3	1.4	.5							10.1	7.8
NW	.3	2.1	2.7	.5	.2							5.7	7.8
NNW	.9	2.1	1.7	.2								4.9	6.1
VARBL	2.8	1.9										4.7	3.2
CALM												2.1	
	14.3	35.4	32.1	9.7	.9	.3	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 632

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

41-73 STATION K-ON-MI RANGE KO STATION NAME 65-70, 73-79 YEARS SEP MONTH 1967-17 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.1	1.1	.2	.2							3.2	6.6
NNE	.4	.9	.2									1.4	4.6
NE	.7	1.1	2.2	1.1								4.8	7.9
ENE	.5	1.3	2.5	.4								4.7	7.3
E	.9	3.2	3.6	1.3								9.0	7.4
ESE	.2	.9	2.0	.2								3.2	7.2
SE	.5	.7	.9	.2								2.3	5.6
SSE	.7	1.1	.2									2.0	4.4
S	1.4	1.4	.4									3.2	3.8
SSW	.7	1.1	1.4	.7								3.9	7.3
SW	.2	.2	.9	.2								1.4	7.4
WSW	.2	.9	.7	.4	.2							2.3	7.5
W	1.5	3.8	6.8	1.8		.4						14.3	7.9
WNW	2.5	5.2	7.9	3.4	.5	.2						14.5	6.2
NW	1.4	4.1	4.5	1.4	.2							11.6	7.3
NNW	1.3	2.3	2.7	1.1	.4							7.0	7.3
VARBL	1.3	2.9	1.1	.2								5.4	4.9
CALM												.7	
	15.1	31.9	38.0	12.4	1.4	.5						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 55

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 42273 KCON-NI RANGE KO STATION NAME 60-70, 77-79 YEARS SEP MONTH ALL HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	1.2	.4	.							3.2	6.4
NNE	.7	1.3	1.7	.6	.1							4.5	7.1
NE	.8	1.3	1.9	.7								5.1	6.9
ENE	1.2	2.1	2.6	.6	.2							6.3	6.5
E	2.2	4.9	5.3	1.7								13.9	6.8
ESE	2.1	3.3	2.2	.3								6.4	5.5
SE	1.5	3.1	2.1	.3								7.2	5.6
SSE	1.4	2.2	1.2	.3								5.2	5.4
S	1.0	2.5	.9	.1								5.4	4.6
SSW	1.0	1.2	.7	.2	.2							3.1	5.5
SW	.5	.4	.4	.3	.2							1.7	6.5
WSW	.4	1.1	.5	.3	.2	.7						2.4	6.5
W	1.3	2.7	3.3	.8	.6	.1	.					4.3	7.1
WNW	1.2	2.3	3.5	1.4	.4	.						8.9	8.2
NW	.5	1.3	2.2	.6	.1							5.3	7.5
NNW	.3	1.6	1.4	.4	.1							4.2	6.5
VARBL	2.1	1.7	.3	.0								4.1	3.6
CALM												2.5	
	20.5	35.9	30.8	9.0	1.1	.2	.7					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2227

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4-73 STATION KCON-NI RANGE KO STATION NAME KCON-NI RANGE KO YEARS 6-73-73 MONTH OCT
ALL WEATHER CLASS 6-73-73 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.4	2.5	.7	.7							4.6	7.6
NNE	1.3	1.3	.9									4.5	4.5
NE	1.6	5.2	.5									7.3	4.4
ENE	2.3	3.	2.5	.5								1.2	2.3
E	6.4	3.4	2.2	.5								13.4	4.8
ESE	2.2	9.5	2.3	.2								2.2	4.7
SE	2.7	6.1	1.1	.2								10.2	4.3
SSE		3.2	.5									3.4	2.3
S	.9	.5	.5	.2								2.2	5.2
SSW	.2		.5									.7	6.2
SW													
WSW	.2												2.3
W	.2	.5	.2									.4	2.2
WNW		.5	1.1	.2								1.8	4.4
NW		.7	.5	1.4	.5							1.2	12.7
NNW		.2	.9	1.8	1.1							4.2	12.5
VARBL	2.7	1.8										4.5	2.2
CALM												1.5	
	24.9	43.2	17.5	5.7	2.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 44

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 47273 STATION NAME MOON-NI RANGE KO YEARS 62-70 MONTH 7
CLASS ALL WEATHER HOURS (L.S.T.) 900-1100
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	3.4	.3	.6							7.7	7.6
NNE	1.0	1.5	1.8	.4								4.6	5.3
NE	1.3	2.5	1.2	.4	.1							3.6	5.8
ENE	1.6	2.2	1.9	.6								6.4	6.2
E	2.2	6.4	5.2	1.2								15.6	6.3
ESE	2.2	5.2	3.6	.3								12.0	5.7
SE	1.8	8.2	3.7	.3								13.2	5.5
SSE	1.6	4.9	2.3									9.4	5.6
S	.6	1.9	.7	.1								3.4	5.3
SSW		.2	.1									.4	5.3
SW		.1										.1	5.3
WSW		.1										.1	5.3
W	.3	.1	.9									1.3	7.2
WNW	.1	.1	.3	.1	.3							1.0	1.3
NW		1.0	1.3	1.2	.7							3.9	10.0
NNW	.6	1.7	3.9	1.3	.7							7.6	9.7
VARBL	4.0	1.6	.3									5.9	3.3
CALM												1.3	
	18.3	40.9	31.1	6.4	2.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 673

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4273 STATION KCON-NI RANGE KO STATION NAME KCON-NI RANGE KO YEARS 68-70, 73-79 MONTH 12
CLASS ALL WEATHER HOURS (L.S.T.) 1200-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.2	1.3	.8	.8	.2							6.4	6.3
NNE		1.1	.2	.3								1.5	7.3
NE	.2	.6	.5	.6								1.5	6.7
ENE	.2	1.1	1.1	.8								3.2	7.9
E	1.1	2.1	3.3	.5	.2							7.1	6.9
ESE	.8	2.9	3.2	.5								7.3	6.4
SE	.6	2.4	1.7	.3								5.0	6.2
SSE	1.1	2.4	.5	.3								4.2	5.0
S	2.3	3.6	.6									6.5	4.3
SSW	1.2	1.7	.6	.3								3.6	5.1
SW	.3	1.4	.6	.2								2.9	5.2
WSW	2.3	.3	.9	.3								4.2	5.1
W	1.9	2.2	2.3									6.1	5.5
WNW	1.1	4.4	3.8	1.4	.6							11.2	7.4
NW	1.1	2.7	3.6	2.1	.6	.2						10.3	8.7
NNW	2.7	2.4	3.6	2.1	.2							11.0	7.1
VARBL	4.7	2.7	.3									7.7	5.3
CALM												.8	
	23.8	36.0	27.4	10.3	1.7	.2						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 161

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40-73 STATION KOON-NI RANGE KO STATION NAME 65-72, 73-79 YEARS OCT MONTH 1500-1700 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.3	.2	.2								4.2	5.4
NNE	.7	.7	.5	.2								3.1	5.2
NE	.7	.4	1.4	.5								3.0	6.9
ENE	.9	.9	.9	.2								3.8	5.9
E	.4	1.8	2.5	.5								5.5	7.2
ESE	.9	1.1	1.2									3.2	5.4
SE	.5	.7	.4									1.6	4.7
SSE		.7	.4	.2								1.2	7.6
S	.3	.5										1.1	3.5
SSW	.5	.2	.2	.2								1.1	6.2
SW	.4	.5		.5								1.9	5.7
WSW	.2	1.4	.4	.5	.2							3.3	6.9
W	1.4	2.3	5.5	1.8								12.0	7.5
WNW	.7	7.2	8.1	3.1	1.1							19.2	20.0
NW	1.4	7.2	7.9	3.2	.5							20.6	7.6
NNW	1.6	3.5	3.3	1.6								10.0	7.1
VARBL	3.3	2.8	.4	.4								6.5	4.1
CALM												.5	
	16.4	34.2	35.2	12.0	1.8							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 562

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40073 CON-NI RANGE KO STATION NAME 63-70, 73-79 YEARS
CLASS ALL WEATHER MONTH ALL
HOURS [L.S.T.]
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	2.1	1.9	.5	.7							1.5	6.9
NNE	.3	1.2	.9	.3								1.2	6.8
NE	.2	2.0	.2	.4								4.3	5.9
ENE	1.2	1.7	1.5	.5								3.2	6.2
E	.2	4.4	3.9	.7	.2							11.3	5.1
ESE	2.6	4.6	2.6	.3								11.1	5.3
SE	1.3	4.4	1.6	.2								7.5	5.4
SSE	.5	2.3	1.1	.1								4.5	5.5
S	1.1	1.3	.6	.1								3.5	4.7
SSW	.5	.6	.2	.1								1.6	5.2
SW	.4	.5	.2	.2								1.5	5.4
WSW	.9	.6	.2	.2								2.1	5.5
W	1.0	1.2	2.5	.4								5.2	6.7
WNW	.5	3.1	3.3	1.0	.5							8.5	7.9
NW	.5	2.9	3.4	2.0	.5	.0						9.6	8.5
NNW	1.3	2.0	3.1	1.7	.5							8.6	6.2
VARBL	3.7	2.3	.3	.1								6.3	3.5
CALM												1.2	
	1.3	38.3	24.5	8.7	1.9	.0						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 2342

U.S. AIR FORCE
U.S. AIR FORCE
U.S. AIR FORCE

USE WITH CAUTION
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PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

40-75 STATION NAME RANGE MO 68-77-79 YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.1	2.1	2.6								7.6	2.1
NNE	.7	3.3	2.6									5.7	5.9
NE	1.7	4.1	1.9									7.6	5.1
ENE	1.7	3.3	.5									5.5	4.3
E	3.4	4.5	1.7	.7								12.5	4.3
ESE	3.4	5.7	1.9	.2								14.1	4.6
SE	3.9	5.7	1.4									7.2	4.4
SSE	1.7	1.4	2.6									2.0	5.7
S	.2	1.2	1.7									3.1	6.6
SSW	.5	.7	.7									1.2	5.9
SW	.2		.5	.2								1.2	2.0
WSW			.5	.2								.5	11.0
W	.2				.7							1.0	14.5
WNW		.2	1.2	.5		.5						2.4	12.0
NW		.2	.2	.7	.7	.5						2.4	15.9
NNW		.2	1.0	1.7	1.7							5.0	11.5
VARBL	.9	2.4		.7								6.0	4.4
CALM												5.5	
	26.3	36.3	21.0	7.6	2.4	1.0						170.0	5.8

TOTAL NUMBER OF OBSERVATIONS 419

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/44C

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 67 STATION NAME KON-NI RANGE RD YEARS 67-70, 71-72 MONTH ALL
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.) 24-11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.3	3.4	2.1	.3							2.5	3.3
NNE	1.2	4.3	3.4	.6	.3							2.2	7.5
NE	.9	2.9	1.5									2.2	2.2
ENE	1.7	1.5	1.4									4.5	4.8
E	3.4	4.7	3.7	1.1								12.1	5.9
ESE	3.7	5.2	3.5	.5								12.1	5.3
SE	3.9	6.7	2.3									11.9	5.1
SSE	.9	2.1	1.5									4.5	3.6
S	.5	1.8	2.2	.5								2.2	6.6
SSW	.3	.4	.6	.3								2.3	2.5
SW		.1	.6									.5	7.0
WSW		.2	.8									.5	2.2
W	.5		.2	.5	.2							1.2	2.5
WNW		.2	.5	.6	.4		.7					2.5	14.1
NW	.2	.2	.5	1.1	.6	.7						2.5	12.3
NNW	.5	.6	2.4	2.7	.3							6.6	5.9
VARBL	.1	2.3	.3	.5								3.2	4.4
CALM												2.4	
	21.2	34.4	22.5	10.2	2.4	.5	.3					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 675

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAF

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4-75 KCON-NI RANGE KO STATION NAME 64-75-73-77 YEARS 10 MONTH 10
CLASS ALL PLATON HOURS (L.S.T.) 10-1400
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	2.7	2.5	1.3	.7		.7					1.7	3.1
NNE	.0	1.7	1.4	.5								4.5	5.1
NE	1.1	.9	.3									1.3	4.3
ENE	.5	.4	.5	.7								1.7	2.5
E	1.6	1.9	2.7	.6								2.1	5.2
ESE	.7	3.1	2.5	.3								6.3	6.4
SE	1.7	3.1	1.3	.2								1.2	5.1
SSE	2.5	3.3	2.7									1.5	1.3
S	.8	2.7	1.5	.5								4.7	6.2
SSW	1.1	.2	.5	.9	.3							1.1	7.8
SW	.7	.2	.6	.7								2.7	5.5
WSW	.3	.6	.5	.3	.7							1.9	6.5
W	1.1	1.3	1.7	.8	.3	.2						2.5	6.5
WNW	1.1	1.4	2.7	1.6	.7	.7	.2					7.1	3.2
NW	.5	2.5	4.2	3.6	.9							12.4	5.7
NNW	1.5	2.5	3.9	1.7	.3							1.2	6.1
VARBL	3.8	1.7	.9	.2								5.6	3.6
CALM												1.7	
	22.5	31.2	29.6	12.7	2.7	.5	.5					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 235

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

USE WITH CAUTION
SPE. F. AND PART

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION CON-NI RANGE RD STATION NAME 6-70.71-79 YEARS 1967-1970
MONTH 1967-1970
HOURS (L.S.T.)
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.7	2.2	1.1		.2						4.7	7.5
NNE	.5	.5	.4	.2								1.6	2.2
NE	.4	1.1	.4	.2								1.0	2.7
ENE	.5	.2	.7	.2								1.3	2.0
E	.5	1.4	1.6									3.6	2.2
ESE	.5	.7	.5	.4								2.2	2.4
SE	.2	.2	.4									1.0	4.6
SSE	1.8	1.8	.5	.4								4.2	4.6
S	2.5	2.5	1.3	.2								5.9	4.3
SSW	.2	1.1	1.1	1.5	.2							4.3	2.6
SW	.9	.7	.9	.4								2.9	5.8
WSW	.2	.4	1.3	1.9								3.6	10.3
W	1.8	1.6	2.5	1.1	.2	.2	.2					7.6	7.4
WNW	1.1	3.5	4.1	2.7	.2	.5						13.3	2.7
NW	1.1	4.2	7.4	2.0	.4	.2						13.9	6.0
NNW	1.8	4.2	3.1	2.8	.5	.2						13.3	2.5
VARBL	.3	1.3	1.1	.2								4.9	4.6
CALM												5.1	
	13.2	30.5	24.4	16.2	1.4	1.3	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 555

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4-273 STATION KWON-NI RANGE KO 68-73.73-72 YEARS NOV
MONTH ALL
CLASS ALL WEATHER
HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.1	2.6	1.7	.7	.1	.1					7.2	4.4
NNE	.9	2.4	1.9	.4	.1							2.5	2.5
NE	1.1	2.3	1.3	.3								4.1	3.1
ENE	1.1	1.5	.3	.1								2.4	4.9
E	3.1	2.2	2.3	.6								7.2	5.5
ESE	2.2	3.2	2.2	.4								3.4	5.4
SE	2.1	4.2	1.4	.7								7.7	4.9
SSE	1.7	2.2	1.3	.1								4.5	5.3
S	1.1	1.9	1.6	.3								4.9	5.0
SSW	.5	.9	.7	.8	.1							3.0	5.0
SW	.5	.5	.7	.2								1.9	5.1
WSW	.1	.3	.7	.6								1.5	4.5
W	.2	.7	1.3	.6	.2	.1						3.9	5.4
WNW	.5	1.4	2.2	1.4	.4	.3	.1					6.3	5.6
NW	.5	2.2	3.3	1.9	.7	.2						5.6	4.5
NNW	1.7	1.9	2.9	2.5	.5	.7						8.9	5.1
VARBL	2.6	1.9	.6	.4								5.6	4.2
CALM												3.1	
	20.9	33.1	28.1	11.9	2.2	.7	.3					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 2268

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 73 KCON-NI RANGE KO STATION NAME 68-70, 73-79 YEARS 71 MONTH 16
CLASS ALL WEATHER
CONDITION 1610-1800
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	3.3	2.0								1.1	4.6
NNE	1.2	3.0	1.0									5.6	4.7
NE	2.6	2.5	.8									6.1	3.9
ENE	2.5	3.3	1.1	.7								7.1	4.7
E	6.1	6.3	2.3	1.7								15.9	5.5
ESE	6.8	9.8	2.6	.5								12.0	4.6
SE	2.0	4.3	1.9									5.1	4.9
SSE	1.0	2.0	.8	.3								4.0	5.3
S	.3	.7	1.0									1.6	6.3
SSW		.7	.7	.3								.8	6.7
SW		1.1										1.1	5.3
WSW				.3								.3	10.0
W		.7	.5	.5								1.7	4.8
WNW			1.1	1.3								.3	12.2
NW		.7	1.0	1.0	.4							3.1	12.3
NNW		1.3	1.3	2.0	.5							2.1	10.6
VARBL	2.3	3.2	.3									2.2	3.0
CALM												2.0	
	25.8	47.7	18.9	10.6	1.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 396

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4-73 KCON-NI RANGE KJ STATION NAME 60-70.12-79 YEARS DEC MONTH 9-10-11 HOURS (L.S.T.)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.1	2.3	4.7	1.4	.2							10.2	7.0
NNE	1.4	2.7	1.7	.5								9.5	2.5
NE	2.4	1.7	.3	.7								9.0	4.0
ENE	1.2	1.3	.9									4.1	4.4
E	4.0	4.6	3.8	.3								12.2	5.1
ESE	3.5	4.1	3.6	.6	.2	.2						17.2	5.6
SE	2.1	.2	4.1				.2					10.3	9.1
SSE	.5	2.1	.2	.2	.2							3.0	9.3
S	.3	2.4	1.1	.2								7.9	5.7
SSW		.2	.2									.9	9.0
SW				.3								.3	11.5
WSW		.2		.5								.5	9.0
W	.2	.5	.9	.3	.2							3.2	5.0
WNW		.2	.8	1.3	.2							2.4	12.1
NW		.2	1.2	.6	.5							3.0	10.4
NNW	.6	.2	2.0	3.5	.5							3.2	10.4
VARBL	2.4	1.7	.5									4.1	3.7
CALM												0.2	
	1.1	36.8	28.1	3.8	1.7	.2	.2					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 534

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 66-73 BOON-NT RANGE KO STATION NAME 66-73, 73-79 YEARS 1966-1979 MONTH 1966-1979
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	2.1	3.1	1.2								7.6	7.3
NNE	.5	1.4	.5									2.4	5.3
NE	.5	1.2	.2									1.4	5.1
ENE	.2	.2	.5									1.2	6.1
E	1.7	1.2	1.2	.5								5.1	5.6
ESE	1.4	5.4	4.4	.3		.2						11.7	6.6
SE	1.9	4.2	2.5	.2		.2						9.3	5.7
SSE	.2	2.2	1.2	.5								4.5	5.9
S	1.2	3.2	1.2	.5	.3							6.5	5.4
SSW	.7	1.5	.7	.2								2.5	5.6
SW	.7	.5	.3									1.2	5.3
WSW	.5	.5		.5								1.9	5.9
W	.5	1.4	.7	1.2								3.7	7.4
WNW	.5	1.5	2.5	1.2	.7							5.6	6.3
NW	1.4	4.1	3.4	2.9	.3							15.1	5.1
NNW	1.5	4.2	3.7	3.1	.3							12.9	5.1
VARBL	2.7	1.2	.8	.3								5.1	4.7
CALM												1.7	
	15.8	37.4	27.7	12.4	1.7	.3						102.0	5.7

TOTAL NUMBER OF OBSERVATIONS 589

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4-2773 STATION KCON-NI RANGE KO STATION NAME 69-70, 73-79 YEARS DLC
MONTH 1500-1700
CLASS ALL WEATHER
HOURS (L.S.T.) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.6	1.9	1.2								2.2	7.5
NNE	.6	1.2	.2									1.6	4.4
NE	.6		.8									1.4	4.9
ENE	1.2	1.3	.2									2.2	4.4
E	2.2	2.4	.2									5.2	4.0
ESE	1.4	2.2	1.7									4.6	5.0
SE	1.4	3.2	.6									4.6	4.6
SSE	.8	2.4	1.5									3.3	5.2
S	1.2	1.3	1.2	.2								4.4	5.2
SSW	.6	1.2	1.6	.6								4.0	7.4
SW	.2	.4	1.5				.2					1.8	9.3
WSW	1.0	1.2	1.4	.4	.2							4.2	6.9
W	1.6	1.6	2.2	1.2	.6	.6						7.8	9.2
WNW	1.0	4.2	3.6	1.2	.2	.2	.2					11.2	7.8
NW	1.4	4.8	5.2	3.6	1.0		.2					16.2	9.0
NNW	1.0	4.0	5.6	3.2	.8	.2						14.3	8.9
VARBL	1.0	.2	1.0	1.0								3.2	7.6
CALM												2.2	
	14.0	34.1	28.7	12.6	2.8	1.0	.6					108.0	7.1

TOTAL NUMBER OF OBSERVATIONS 499

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

43273 STATION 430N-N1 RANGE KO CLASS ALL WEATHER YEARS 68-70, 73-79 MONTH DEC
HOURS (L.S.T.) ALL
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.2	1.3	1.6	.2							5.1	2.1
NNE	1.1	2.1	.9	.1								4.2	5.7
NE	1.5	1.3	.7	.2								3.5	4.4
ENE	1.4	1.6	.7	.2								3.6	4.7
E	3.5	3.7	1.9	.5								9.6	5.0
ESE	3.2	2.6	1.1	.4	.1	.1						13.2	5.5
SE	1.7	4.5	2.4	.2		.2	.5					5.9	5.6
SSE	1.1	2.7	1.2	.2	.2							4.4	5.8
S	.8	2.1	1.1	.2	.1							4.3	5.9
SSW	.3	.7	.7	.2								1.9	5.7
SW	.1	.4	.3	.1			.2					1.6	7.5
WSW	.4	.6	.3	.4	.2							1.8	7.1
W	.6	1.2	1.0	.9	.2	.1						3.2	8.8
WNW	.6	1.5	2.0	1.2	.3	.2	.2					5.6	8.0
NW	.7	2.5	2.7	2.0	.5		.2					8.6	9.2
NNW	.5	2.6	3.4	3.0	.5	.2						10.5	7.1
VARBL	2.1	1.5	.7	.3								4.6	4.6
CALM												2.2	
	22.6	37.0	26.4	11.3	1.9	.4	.2					10.0	6.4

TOTAL NUMBER OF OBSERVATIONS 118

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4 73 STATION MOON-NI RANGE KO STATION NAME 65-7, 72-8 YEARS ALL MONTH ALL
CLASS ALL WEATHER HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	1.5	.7	.1	.0	.0					4.4	7.3
NNE	.7	1.1	.9	.2	.0	.0						2.0	5.0
NE	.8	1.2	.9	.3	.0	.0						3.2	6.1
ENE	.9	1.1	1.2	.4	.0	.1						3.7	6.5
E	1.8	2.9	2.7	.9	.1	.0						8.5	6.5
ESE	1.9	3.5	2.0	.4	.0	.0						7.9	6.6
SE	1.7	3.4	1.8	.2	.0	.0	.0					7.1	6.4
SSE	1.1	2.3	1.1	.2	.0							4.7	5.4
S	1.8	2.3	1.2	.3	.1	.0						5.6	5.3
SSW	.9	1.2	1.1	.6	.1	.0						3.8	6.9
SW	.4	.9	1.7	.4	.1	.0						3.1	6.0
WSW	.8	1.0	1.0	.5	.1	.0	.0					3.3	6.8
W	1.5	2.8	3.3	1.4	.7	.1	.0	.0				9.2	7.7
WNW	1.2	3.0	4.4	1.9	.4	.1	.0	.0				11.1	6.1
NW	.9	2.3	3.0	1.6	.4	.1	.0	.0				3.4	6.5
NNW	.8	1.5	2.2	1.3	.3	.0	.0	.0				6.2	6.3
VARBL	2.2	1.1	.3	.1	.0	.0						3.7	6.8
CALM												3.1	
	20.5	32.9	29.6	11.3	2.3	.4	.1	.0				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 24830

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40093 STATION NAME KOON-NI RANGE KO YEARS 62-73 MONTH ALL
INSTRUMENT CIG 310 TO 1400 FT / VSBY 1/2 MI OR MORE CLASS ALL
CONDITION AND/OR VSBY 1/2 TO 1-1/2 MI / CIG 310 FT OR MORE HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.6	1.2	.6	.1	.1						7.1	2.7
NNE	1.4	1.9	1.2	.5								4.9	5.7
NE	2.0	1.5	1.1	.1	.1	.1						4.9	5.1
ENE	1.2	1.7	.9	.8	.1							4.3	5.7
E	1.3	3.2	2.2	1.1	.1							9.9	5.8
ESE	3.7	4.1	1.5	.4	.1							4.9	5.0
SE	2.9	2.7	1.5	.2								7.2	4.5
SSE	1.7	1.7	.4	.2	.1							4.4	4.9
S	2.1	2.0	1.7	.6	.1							6.5	5.9
SSW	.9	1.4	1.4	1.1	.3							5.1	5.1
SW	1.0	1.6	1.2	.5	.1	.1	.1					4.1	5.6
WSW	1.5	1.3	1.1	.6	.1							4.2	6.2
W	1.7	2.4	1.9	1.7	.3	.1						7.3	7.0
WNW	1.2	1.3	1.7	1.5	.5	.1	.1					5.9	6.7
NW	.8	1.3	1.1	.4	.1			.5				3.7	7.5
NNW	1.0	1.5	.8	.4	.1							3.8	5.2
VARBL	2.1	.4	.1									2.2	2.6
CALM												5.8	
	29.5	11.2	21.2	9.6	2.2	.3	.1	.0				100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 7180

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{3}$	$\geq \frac{1}{4}$	≥ 0	
NO CEILING																
≥ 1800																
≥ 1500					91.0											92.6
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500										97.4						98.1
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

AD-A102 398

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
KOON-NI RANGE, OSAN, KOREA. REVISED UNIFORM SUMMARY OF SURFACE --ETC(U)
APR 81

UNCLASSIFIED

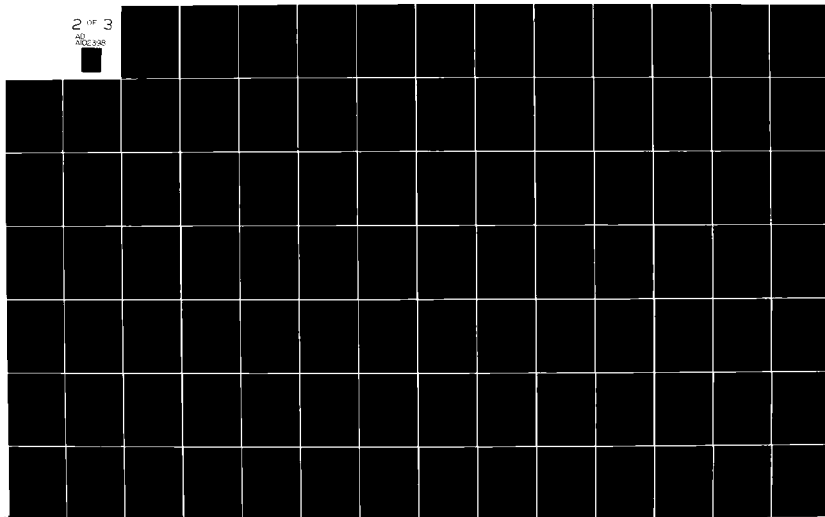
USAFETAC/DS-81/052

SRIE-AD-E850 085

NL

2 of 3

AD-A102 398



CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY VISIBILITY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	30.7	42.4	44.5	50.7	51.7	54.4	55.2	54.2	56.3	54.7	54.9	54.3	56.3	56.3	56.6	54.7
≥ 20000	30.1	44.2	46.2	50.6	54.7	57.4	58.4	59.4	59.3	59.2	59.2	59.3	59.3	59.3	59.4	54.3
≥ 18000	30.1	44.2	46.2	50.6	54.7	57.6	58.7	58.7	59.5	59.5	59.5	59.5	59.5	59.5	59.5	54.1
≥ 16000	30.1	44.2	46.2	50.6	54.7	57.6	58.7	58.7	59.5	59.5	59.5	59.5	59.5	59.5	59.5	54.1
≥ 14000	30.1	44.2	47.2	51.9	55.2	57.9	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	54.1
≥ 12000	30.1	44.2	47.7	54.4	55.5	58.4	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	54.1
≥ 10000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 9000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 8000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 7000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 6000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 5000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 4500	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 4000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 3500	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 3000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 2500	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 2000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 1800	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 1500	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 1200	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 1000	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 900	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 800	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 700	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 600	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 500	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 400	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 300	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 200	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 100	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1
≥ 0	30.1	44.2	48.2	55.5	56.6	59.8	61.9	61.9	61.7	61.7	61.7	61.7	61.7	61.7	61.7	54.1

TOTAL NUMBER OF OBSERVATIONS 873

FEDERAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 73
STATION NAME FORT MONMOUTH RANGE NC

PERIOD 65-73, 73-60

YEARS

JA
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19.0-110.0
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING		31.7	44.5	47.4	57.3	57.9	59.7	59.3	59.0	54.3	59.5	59.5	59.6	59.6	59.6	59.6
≥ 20000		41.1	44.5	51.5	61.7	61.7	62.5	63.0	63.1	63.4	63.6	63.6	63.7	63.7	63.7	63.7
IV 18000		41.2	44.5	51.5	61.1	61.9	62.8	63.3	63.3	63.7	63.9	63.9	64.0	64.0	64.0	64.0
IV 16000		41.3	44.5	51.5	61.3	62.0	63.0	63.4	63.4	63.9	64.1	64.1	64.3	64.3	64.3	64.3
IV 14000		41.3	44.5	51.4	61.4	62.7	63.9	64.3	64.3	64.8	64.9	64.9	65.2	65.2	65.2	65.2
IV 12000		41.4	44.5	51.7	62.2	63.1	64.3	64.8	64.8	65.2	65.4	65.4	65.7	65.7	65.7	65.7
IV 10000		42.4	50.8	63.7	63.3	64.3	65.7	66.2	66.2	66.6	66.8	66.8	67.1	67.1	67.1	67.1
IV 9000		42.7	50.8	63.4	64.0	65.1	66.5	66.9	66.9	67.4	67.5	67.5	67.8	67.8	67.8	67.8
IV 8000		43.1	51.1	64.2	63.1	66.2	67.7	68.4	68.4	68.9	69.1	69.1	69.4	69.4	69.4	69.4
IV 7000		43.3	52.1	65.2	63.6	67.7	69.2	70.0	70.0	70.4	70.6	70.6	70.9	70.9	70.9	70.9
IV 6000		43.4	52.7	65.4	67.4	69.4	71.2	71.0	71.0	71.5	71.6	71.6	72.0	72.0	72.0	72.0
IV 5000		44.2	54.0	67.2	66.8	69.8	71.6	72.4	72.4	72.9	73.1	73.1	73.3	73.3	73.3	73.3
IV 4500		44.4	54.1	67.6	67.5	70.6	72.4	73.3	73.3	73.6	73.9	73.9	74.2	74.2	74.2	74.2
IV 4000		46.5	57.6	61.2	74.5	75.8	77.7	78.7	78.7	79.1	79.3	79.3	79.7	79.7	79.7	79.7
IV 3500		47.9	59.9	67.6	77.3	73.5	81.1	82.1	82.1	82.5	82.6	82.6	83.1	83.1	83.1	83.1
IV 3000		50.3	62.7	67.2	82.6	84.5	87.2	88.1	88.1	88.6	88.7	88.7	89.2	89.2	89.2	89.2
IV 2500		61.4	64.5	69.7	85.5	87.3	90.1	91.0	91.0	91.6	91.9	91.8	92.2	92.2	92.2	92.2
IV 2000		62.1	65.5	71.6	86.7	88.6	91.6	93.0	93.0	94.1	94.2	94.2	94.7	94.7	94.7	94.7
IV 1800		62.1	65.4	71.7	85.9	88.7	91.8	93.1	93.1	94.2	94.4	94.4	94.8	94.8	94.8	94.8
IV 1500		62.4	66.5	71.5	87.7	89.5	92.5	93.9	93.9	95.1	95.1	95.1	95.6	95.6	95.6	95.6
IV 1200		62.4	66.5	71.7	88.4	90.2	93.3	94.7	94.7	95.7	95.9	95.9	96.3	96.3	96.3	96.3
IV 1000		62.6	66.6	72.3	83.7	90.5	93.6	95.0	95.0	96.2	96.6	96.8	97.3	97.3	97.3	97.4
IV 900		62.9	66.8	72.6	89.1	91.1	94.2	95.6	95.6	96.3	97.3	97.6	98.2	98.2	98.2	98.3
IV 800		63.2	67.1	72.9	89.3	91.3	94.5	95.9	95.9	97.1	97.6	97.9	98.6	98.6	98.6	98.6
IV 700		63.0	67.2	72.9	89.3	91.3	94.5	95.9	95.9	97.1	97.6	97.9	98.6	98.6	98.6	98.7
IV 600		63.2	67.3	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	98.0	98.8	98.8	98.8	98.9
IV 500		63.0	67.2	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	98.0	98.8	98.8	98.8	99.1
IV 400		63.3	67.2	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	98.0	98.8	98.8	98.8	99.2
IV 300		63.0	67.2	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	98.0	98.8	98.8	98.8	99.5
IV 200		63.7	67.2	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	98.0	98.8	98.8	98.8	99.7
IV 100		63.7	67.2	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	98.0	98.8	98.8	98.8	99.7
IV 0		63.7	67.2	72.9	89.3	91.3	94.5	96.0	96.0	97.3	97.7	98.0	98.8	98.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 656

REGIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIRCRAFT SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION WICK-NI RANGE RD

62-71,73-5

JA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
 HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/10	≥0	≥0
NO CEILING		47.7	54.4	57.1	61.9	61.9	62.4	62.3	62.8	62.6	62.2	62.0	62.0	62.0	62.0	62.0
≥ 20000		52.1	61.9	63.1	64.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 18000		52.1	61.9	63.1	64.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 16000		52.1	61.9	63.1	68.3	63.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 14000		52.4	61.9	63.4	67.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 12000		52.4	61.9	64.1	69.9	71.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 10000		52.7	62.4	64.7	71.7	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000		52.9	62.4	65.3	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 8000		53.4	63.7	66.1	72.7	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 7000		54.2	65.5	68.2	74.7	74.9	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000		54.4	66.2	68.8	75.5	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000		55.6	67.3	69.9	76.9	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500		55.3	67.1	70.8	77.9	78.2	78.5	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0
IV 4000		55.1	72.3	75.1	80.7	83.3	83.4	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 3500		57.1	73.0	76.0	84.6	84.9	85.4	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 3000		51.0	76.5	79.9	83.2	86.5	89.1	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 2500		60.9	77.8	81.1	89.6	90.3	91.9	91.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2000		54.2	79.3	82.7	92.3	93.1	93.7	94.2	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8
IV 1800		54.2	79.3	82.7	92.3	93.1	93.7	94.2	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8
IV 1500		64.6	81.1	83.5	93.9	94.7	95.3	95.8	95.8	96.2	96.4	96.4	96.5	96.5	96.5	96.9
IV 1200		64.6	81.1	83.5	94.2	95.0	95.6	96.1	96.1	96.5	96.7	96.7	96.9	96.9	96.9	97.2
IV 1000		64.6	81.1	84.0	94.7	95.4	96.1	96.5	96.5	97.0	97.3	97.6	98.1	98.1	98.1	98.4
IV 900		64.6	81.1	84.0	94.7	95.4	96.1	96.5	96.5	97.0	97.3	97.6	98.1	98.1	98.1	98.4
IV 800		64.6	81.1	84.0	94.7	95.4	96.1	96.5	96.5	97.0	97.3	97.6	98.1	98.1	98.1	98.4
IV 700		64.6	81.1	84.0	94.7	95.4	96.1	96.5	96.5	97.0	97.3	97.6	98.1	98.1	98.1	98.4
IV 600		64.6	81.1	84.0	94.7	95.4	96.1	96.5	96.5	97.0	97.3	97.6	98.1	98.1	98.1	98.4
IV 500		64.6	81.1	84.0	94.7	95.3	96.4	96.9	96.9	97.3	97.8	98.1	98.6	98.6	98.6	99.1
IV 400		64.6	81.1	84.0	94.7	95.8	96.4	96.9	96.9	97.3	98.0	98.3	98.7	98.9	98.9	99.4
IV 300		64.6	81.1	84.0	94.7	95.8	96.4	96.9	96.9	97.3	98.0	98.3	98.7	98.9	98.9	99.4
IV 200		64.6	81.1	84.0	94.7	95.8	96.4	96.9	96.9	97.3	98.0	98.3	98.7	98.9	98.9	99.4
IV 100		64.6	81.1	84.0	94.7	95.8	96.4	96.9	96.9	97.3	98.0	98.3	98.7	98.9	98.9	99.4
IV 0		64.6	81.1	84.0	94.7	95.8	96.4	96.9	96.9	97.3	98.0	98.3	98.7	98.9	98.9	99.4

TOTAL NUMBER OF OBSERVATIONS 637

SECTAL CLIMATOLOGY BRANCH
USAF ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME
KNOX-VI RANGE KO

69-71,73-80

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING		49.4	53.4	54.5	55.6	55.6	55.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 20000		52.7	57.7	60.9	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 18000		54.7	60.7	62.0	66.5	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000		55.1	61.7	62.5	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000		55.8	62.4	63.7	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 12000		56.2	62.7	64.3	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 10000		56.9	63.9	65.2	70.6	70.6	70.6	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000		57.3	64.2	65.5	71.0	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		57.5	64.3	66.3	71.7	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 7000		58.6	66.1	67.6	72.4	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000		59.1	66.7	68.3	73.9	74.3	74.3	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		59.4	67.4	68.9	74.7	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500		60.3	68.7	70.2	76.4	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000		62.7	71.5	73.7	79.4	79.4	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500		63.9	73.8	77.3	83.5	83.7	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 3000		65.6	76.8	80.5	91.9	92.1	92.5	92.9	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2500		71.2	83.1	85.0	93.3	93.4	93.8	94.4	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000		71.9	84.5	86.3	95.5	95.7	96.1	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800		71.9	84.5	86.3	95.5	95.7	96.1	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500		72.3	84.7	86.7	96.1	96.3	97.0	97.6	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		72.3	84.7	86.7	96.1	96.3	97.0	97.6	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 900		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 800		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 700		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 600		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 500		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 400		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 300		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 200		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 100		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4
≥ 0		72.3	85.0	87.1	97.0	97.2	97.9	98.5	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 534

U.S. AIR FORCE
 AIR FORCE
 WEATHER SERVICE/AFAC

FORM NO. 10-10-10
 10-10-10

CEILING VERSUS VISIBILITY

STATION

WON-NI RANGE RD

STATION NAME

67-73,73-67

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥1/2	≥0
NO CEILING		43.8	47.8	51.5	57.8	58.2	58.9	59.2	59.2	59.4	59.5	59.5	59.5	59.5	59.5	59.6
≥20000		48.3	52.9	56.0	62.9	63.3	64.0	64.4	64.4	64.7	64.7	64.7	64.8	64.8	64.8	64.9
IV 18000		47.1	54.2	56.4	62.2	63.7	64.5	64.9	64.9	65.1	65.2	65.2	65.3	65.3	65.3	65.3
IV 16000		47.3	54.4	56.5	62.5	63.9	64.7	65.1	65.1	65.4	65.5	65.5	65.6	65.6	65.6	65.6
IV 14000		47.7	55.3	57.1	64.2	64.7	65.6	66.0	66.1	66.2	66.3	66.3	66.5	66.5	66.5	66.5
IV 12000		47.7	55.4	57.6	64.7	65.2	66.1	66.5	66.5	66.7	66.9	66.9	67.0	67.0	67.0	67.0
IV 10000		48.4	56.3	58.5	66.0	66.5	67.5	67.9	67.9	68.2	68.3	68.3	68.4	68.4	68.5	68.5
IV 9000		48.6	56.6	58.9	66.4	67.3	68.0	68.4	68.4	68.6	68.7	68.7	68.9	68.9	68.9	68.9
IV 8000		49.1	57.4	60.0	67.7	68.3	69.4	69.8	69.8	70.1	70.2	70.2	70.3	70.3	70.4	70.4
IV 7000		49.6	58.7	61.1	69.2	69.8	70.9	71.4	71.4	71.6	71.7	71.7	71.9	71.9	71.9	71.9
IV 6000		50.3	59.3	61.8	69.9	70.5	71.6	72.1	72.1	72.4	72.5	72.5	72.6	72.6	72.6	72.6
IV 5000		51.1	60.0	62.2	71.5	72.1	73.4	73.8	73.8	74.1	74.2	74.2	74.3	74.3	74.4	74.4
IV 4500		51.8	61.3	64.1	72.6	73.3	74.5	75.1	75.1	75.5	75.5	75.5	75.7	75.7	75.7	75.7
IV 4000		52.9	64.6	67.6	77.1	77.7	79.2	79.6	79.7	80.0	80.1	80.1	80.3	80.3	80.4	80.4
IV 3500		55.5	67.1	71.1	79.8	80.5	82.0	82.6	82.7	83.1	83.1	83.1	83.3	83.3	83.4	83.4
IV 3000		55.5	71.4	74.6	85.7	86.6	88.5	89.1	89.1	89.6	89.7	89.7	89.9	89.9	89.9	89.9
IV 2500		59.5	72.7	76.3	87.7	88.7	91.6	91.3	91.3	91.9	92.0	92.0	92.1	92.1	92.2	92.2
IV 2000		60.6	73.9	77.6	89.7	90.8	92.9	93.8	93.9	94.6	94.7	94.7	94.9	94.9	95.0	95.0
IV 1800		60.6	74.7	77.7	89.8	90.9	92.9	93.9	93.9	94.6	94.6	94.6	95.0	95.0	95.0	95.1
IV 1500		61.0	74.8	78.2	90.7	91.8	94.0	95.0	95.1	95.8	96.0	96.0	96.3	96.3	96.3	96.5
IV 1200		61.0	74.8	78.5	91.1	92.2	94.5	95.5	95.5	96.3	96.5	96.5	96.7	96.7	96.8	96.9
IV 1000		61.0	74.8	79.0	91.6	92.7	95.0	96.1	96.1	96.9	97.4	97.6	98.0	98.0	98.0	98.2
IV 900		61.1	74.9	79.0	91.7	92.9	95.2	96.3	96.3	97.1	97.5	97.9	98.2	98.2	98.3	98.5
IV 800		61.1	75.0	79.1	91.8	93.0	95.4	96.5	96.5	97.3	97.7	98.0	98.5	98.5	98.5	98.8
IV 700		61.1	75.0	79.1	91.8	93.0	95.4	96.5	96.5	97.3	97.7	98.0	98.5	98.5	98.5	98.8
IV 600		61.1	75.0	79.1	91.8	93.0	95.4	96.5	96.5	97.3	97.8	98.1	98.5	98.5	98.6	98.9
IV 500		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	97.9	98.2	98.7	98.7	98.7	99.1
IV 400		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	99.4
IV 300		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	99.5
IV 200		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	99.8
IV 100		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	99.8
IV 0		61.1	75.0	79.1	91.8	93.0	95.5	96.6	96.6	97.4	98.0	98.3	98.8	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2200

JOINT CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/HAC

USE WITH FORM
0-14-5

CEILING VERSUS VISIBILITY

STATION NO. 13 STATION NAME ALCON-01 RANGE KO

69-70, 73-80

FILE MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

69-70, 73-80
HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		37.1	47.4	51.9	55.7	58.7	59.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.8
≥ 20000		38.5	49.4	53.2	57.6	58.9	59.2	60.1	60.3	60.3	60.6	60.6	60.9	60.9	60.9	61.5
≥ 18000		39.1	51.7	53.7	59.2	59.2	59.8	60.6	60.9	60.9	61.2	61.2	61.5	61.5	61.5	62.1
≥ 16000		39.1	51.7	53.7	59.2	59.2	59.8	60.6	60.9	60.9	61.2	61.2	61.5	61.5	61.5	62.1
≥ 14000		39.1	51.7	54.1	59.5	59.5	60.1	60.9	61.2	61.2	61.5	61.5	61.8	61.8	61.8	62.4
≥ 12000		39.1	51.7	54.3	60.1	60.1	60.6	61.5	61.8	61.8	62.1	62.1	62.4	62.4	62.4	62.9
≥ 10000		40.6	51.7	56.3	62.6	62.6	63.2	64.1	64.4	64.4	64.7	64.7	64.9	64.9	64.9	65.5
≥ 9000		40.6	51.7	56.3	62.6	62.6	63.2	64.1	64.4	64.4	64.7	64.7	64.9	64.9	64.9	65.5
≥ 8000		42.2	54.6	57.6	64.7	64.7	65.5	66.4	66.7	66.7	67.7	67.7	67.2	67.2	67.2	67.8
≥ 7000		43.1	55.7	58.9	65.1	65.1	67.0	67.8	68.1	68.1	68.4	68.4	68.7	68.7	68.7	69.3
≥ 6000		43.1	55.7	58.9	66.1	66.1	67.7	68.1	68.4	68.4	68.7	68.7	69.7	69.7	69.7	69.8
≥ 5000		43.7	55.7	59.8	67.0	67.0	67.8	69.0	69.3	69.3	69.5	69.5	69.8	69.8	69.8	70.4
≥ 4500		44.3	56.6	60.3	67.5	67.5	68.4	69.5	69.8	69.8	70.1	70.1	70.4	70.4	70.4	71.0
≥ 4000		45.4	58.3	62.4	70.4	70.4	71.3	72.4	72.7	72.7	73.0	73.0	73.3	73.3	73.3	73.9
≥ 3500		45.8	61.7	64.4	73.0	73.0	73.9	75.6	75.9	75.9	76.1	76.1	76.4	76.4	76.4	77.0
≥ 3000		50.6	64.4	69.3	79.3	79.3	80.5	82.5	83.0	83.3	83.6	83.6	83.9	83.9	83.9	84.5
≥ 2500		52.3	67.3	71.0	83.3	83.3	84.5	86.5	87.1	87.4	87.6	87.6	87.9	87.9	87.9	88.5
≥ 2000		54.3	69.3	73.9	86.8	86.8	87.9	90.2	90.8	91.1	91.7	91.7	92.0	92.0	92.0	92.5
≥ 1800		54.3	69.8	74.4	87.4	87.4	88.5	90.8	91.4	91.7	92.2	92.2	92.5	92.5	92.5	93.1
≥ 1500		54.3	70.7	75.3	88.5	88.5	89.9	92.5	93.1	93.4	94.1	94.0	94.5	94.5	94.5	95.1
≥ 1200		55.2	71.3	75.6	89.1	89.1	90.5	93.1	93.7	94.0	94.5	94.5	95.1	95.1	95.1	95.7
≥ 1000		55.2	71.3	75.6	89.7	89.7	92.0	94.5	95.4	95.7	96.3	96.3	97.1	97.1	97.1	97.7
≥ 900		55.2	71.3	75.6	89.7	89.7	92.0	94.5	95.4	95.7	96.3	96.3	97.1	97.1	97.1	97.7
≥ 800		55.2	71.3	75.6	89.7	89.9	92.2	94.8	95.7	96.0	96.6	96.6	97.4	97.4	97.4	98.0
≥ 700		55.5	71.3	75.9	90.5	90.8	93.1	95.7	96.6	96.8	97.4	97.4	98.3	98.3	98.3	98.9
≥ 600		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.6	98.6	98.6	99.1
≥ 500		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.6	98.6	98.6	99.1
≥ 400		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.6	98.6	98.6	99.1
≥ 300		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.9	98.9	98.9	99.4
≥ 200		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.9	98.9	98.9	99.7
≥ 100		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.9	98.9	98.9	99.7
≥ 0		55.5	71.3	75.9	90.5	90.8	93.1	96.0	96.8	97.1	97.7	97.7	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 348

U.S. AIR FORCE
 AIRCRAFT
 AIRCRAFT SERVICE/MAINT

USE WITH CARE

CEILING VERSUS VISIBILITY

STATION

ALCON-NA RANGE, MO

STATION NAME

69-71, 73-80

YEARS

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9900-1100
 HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05
NO CEILING		42.7	50.7	57.5	57.1	57.5	57.9	58.5	58.7	58.7	58.7	58.7	58.7	58.8	58.9	58.9
≥ 20000		44.7	54.5	56.2	61.8	62.2	62.6	63.4	64.1	64.3	64.7	64.7	64.7	64.8	64.8	64.8
≥ 18000		45.2	55.1	56.9	62.4	62.8	63.2	64.0	64.7	65.0	65.3	65.3	65.5	65.5	65.5	65.5
≥ 16000		45.4	55.5	57.4	62.9	63.4	63.7	64.5	65.2	65.5	65.8	65.8	66.0	66.0	66.0	66.0
≥ 14000		45.8	56.2	58.1	63.5	64.0	64.3	65.2	65.8	66.1	66.5	66.5	66.6	66.6	66.6	66.6
≥ 12000		46.3	56.9	58.7	64.2	64.7	65.0	65.8	66.5	66.8	67.1	67.1	67.3	67.3	67.3	67.3
≥ 10000		47.6	59.1	60.3	66.9	67.4	67.7	68.7	69.4	69.7	70.3	70.6	70.7	70.7	70.7	70.7
≥ 9000		48.1	59.6	61.4	67.9	68.4	68.7	69.7	70.3	70.7	71.3	71.6	71.7	71.7	71.7	71.7
≥ 8000		48.9	60.2	62.7	69.4	69.9	70.2	71.2	71.8	72.1	72.4	72.4	72.6	72.6	72.6	72.6
≥ 7000		49.3	61.1	63.6	70.2	70.7	71.0	72.0	72.6	72.9	73.2	73.3	73.4	73.4	73.4	73.4
≥ 6000		49.8	61.8	63.2	70.3	70.8	71.2	72.1	72.8	73.1	73.4	73.4	73.6	73.6	73.6	73.6
≥ 5000		50.4	62.4	64.5	71.6	72.1	72.6	73.9	74.6	74.9	75.2	75.2	75.4	75.4	75.4	75.4
≥ 4500		50.8	62.6	64.7	71.8	72.3	72.8	74.1	74.7	75.0	75.4	75.4	75.5	75.5	75.5	75.5
≥ 4000		50.7	65.1	67.1	74.4	74.9	75.5	76.6	77.5	77.6	78.1	78.1	78.3	78.3	78.3	78.3
≥ 3500		53.3	66.3	68.7	76.8	77.3	78.0	79.3	79.9	80.2	80.6	80.6	80.7	80.7	80.7	80.7
≥ 3000		54.8	68.2	71.2	81.4	81.9	81.8	83.5	84.3	84.6	84.9	84.9	85.1	85.1	85.1	85.1
≥ 2500		56.4	71.3	74.2	84.1	84.9	86.4	86.0	88.8	89.3	89.6	89.6	89.8	89.8	89.8	89.8
≥ 2000		57.2	72.4	75.5	86.4	87.2	88.8	91.4	91.4	91.9	92.5	92.5	92.7	92.7	92.7	92.7
≥ 1800		57.1	72.8	75.7	86.5	87.4	89.1	90.6	91.6	92.1	92.7	92.7	92.9	92.9	92.9	92.9
≥ 1500		57.3	73.3	77.3	88.3	89.1	90.9	92.7	93.6	94.3	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200		58.2	74.6	78.3	89.8	90.6	92.4	94.2	95.3	95.8	96.4	96.4	96.6	96.6	96.6	96.6
≥ 1000		58.8	75.0	78.8	90.6	91.4	93.2	95.1	96.3	96.8	97.4	97.4	97.6	97.6	97.6	97.6
≥ 900		58.3	75.0	78.8	90.6	91.4	93.2	95.1	96.3	96.8	97.4	97.4	97.6	97.6	97.6	97.6
≥ 800		59.2	75.4	79.3	91.1	91.9	93.7	95.8	96.9	97.4	98.1	98.1	98.2	98.2	98.2	98.2
≥ 700		59.2	75.4	79.3	91.2	92.2	94.0	96.1	97.2	97.7	98.4	98.4	98.5	98.5	98.5	98.5
≥ 600		59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.4	97.9	98.5	98.5	98.7	98.7	98.7	98.7
≥ 500		59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.4	97.9	98.5	98.5	98.7	98.7	98.7	98.7
≥ 400		59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.4	97.9	98.5	98.5	98.7	98.7	98.7	98.7
≥ 300		59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.4	97.9	98.5	98.5	98.7	98.7	98.7	98.7
≥ 200		59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.4	97.9	98.5	98.5	98.7	98.7	98.7	98.7
≥ 100		59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.4	97.9	98.5	98.5	98.7	98.7	98.7	98.7
≥ 0		59.3	75.5	79.4	91.4	92.4	94.2	96.3	97.4	97.9	98.5	98.5	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 617

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

USE WITH
FORM 1-73

CEILING VERSUS VISIBILITY

4-73
STATION

NOON-NI RANGE KO

STATION NAME

69-70,73-3"

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING ≥ 20000	53.7	54.1	55.5	58.8	58.8	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 18000	55.3	61.7	61.6	67.5	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 16000	55.8	61.7	62.3	67.5	67.5	68.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 14000	56.2	61.7	62.7	68.3	68.3	68.7	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 12000	56.5	61.7	63.3	68.7	68.7	69.3	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 10000	57.7	63.3	64.7	70.7	70.7	70.7	70.8	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	58.1	63.3	65.2	70.5	70.5	71.2	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 8000	58.6	65.7	67.5	73.2	73.2	73.8	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 7000	59.7	65.7	68.5	74.2	74.2	74.8	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 6000	60.5	65.7	68.5	74.5	74.5	75.2	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 5000	62.5	68.5	70.3	76.5	76.5	77.2	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4500	62.5	69.7	71.0	77.3	77.3	78.0	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 4000	65.2	72.2	74.0	80.7	80.7	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3500	67.3	74.2	76.2	83.2	83.2	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 3000	69.2	76.3	78.3	86.2	86.2	87.3	87.8	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2500	70.7	78.7	80.2	88.7	88.8	90.0	90.3	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 2000	71.9	79.8	81.6	90.7	90.8	92.0	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1800	71.6	79.4	81.6	91.7	91.8	92.0	92.3	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	72.2	80.7	82.6	91.8	92.0	93.2	93.5	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	72.7	81.8	83.5	92.8	93.0	94.2	94.7	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1000	73.3	81.5	84.2	94.3	94.5	95.7	96.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 900	73.3	81.7	84.2	94.5	94.7	95.8	96.7	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 800	73.5	81.7	84.3	94.7	94.8	96.0	97.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 700	73.7	82.2	84.2	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 600	73.7	82.2	84.8	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 500	73.7	82.2	84.8	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 400	73.7	82.2	84.8	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 300	73.7	82.2	84.8	95.2	95.3	96.5	97.7	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 200	73.3	82.3	85.0	95.3	95.5	96.7	97.8	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	73.8	82.3	85.0	95.3	95.5	96.7	97.8	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	73.8	82.3	85.0	95.3	95.5	96.7	97.8	99.0	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 600

U.S. AIR FORCE
 AIR CLIMATOLOGY BRANCH
 WETTER
 WEATHER SERVICE AID

CEILING VERSUS VISIBILITY

STATION NO. 4004-NI TANGE RD STATION NAME 64-72,73-67 YEARS FEB MONTH 15 17 HOURS 151

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	47.4	53.8	52.8	56.8	56.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	57.3	62.3	62.4	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 18000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 16000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 14000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 12000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 10000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 9000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 8000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 7000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 6000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 5000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4500	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3500	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 3000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2500	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 2000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1800	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1500	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1200	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 1000	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 900	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 800	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 700	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 600	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 500	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 400	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 300	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 200	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 100	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 0	57.3	63.3	63.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4

TOTAL NUMBER OF OBSERVATIONS 500

CLIMATE CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME
KON-NI RANGE KO

YEARS
65-75, 73-80

FEET
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-1

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING		45.7	51.4	53.4	57.3	57.9	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000		45.7	51.4	53.4	57.3	57.9	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 18000		50.3	57.7	59.3	64.6	64.7	65.1	65.6	65.9	66.0	66.2	66.2	66.3	66.3	66.3	66.4
≥ 16000		51.5	58.1	60.6	65.0	65.1	65.6	66.0	66.3	66.4	66.5	66.6	66.7	66.7	66.7	66.8
≥ 14000		51.8	59.4	61.2	65.5	65.7	66.1	66.5	66.8	67.0	67.1	67.2	67.3	67.3	67.3	67.4
≥ 12000		51.8	59.4	61.1	65.4	65.5	65.7	66.4	67.7	67.8	68.0	68.0	68.1	68.1	68.1	68.2
≥ 10000		52.6	61.1	62.7	66.3	66.5	68.9	69.4	69.7	69.8	70.1	70.1	70.1	70.1	70.1	70.2
≥ 9000		53.4	61.4	63.6	66.7	69.5	69.9	70.5	70.8	70.9	71.1	71.1	71.2	71.2	71.2	71.3
≥ 8000		54.1	63.6	65.4	71.4	71.5	72.0	72.5	72.8	73.1	73.1	73.2	73.3	73.3	73.3	73.4
≥ 7000		55.7	64.7	66.5	72.8	73.3	73.5	74.0	74.3	74.4	74.6	74.6	74.7	74.7	74.7	74.8
≥ 6000		55.9	65.3	67.0	72.3	73.5	73.9	74.5	74.8	75.0	75.1	75.2	75.3	75.3	75.3	75.4
≥ 5000		56.5	65.5	68.2	74.7	74.8	75.4	76.0	76.3	76.5	76.5	76.7	76.8	76.8	76.8	76.9
≥ 4500		57.0	66.7	68.5	75.1	75.2	75.7	76.4	76.7	76.9	77.1	77.1	77.1	77.1	77.1	77.2
≥ 4000		57.1	67.1	70.9	77.7	77.9	78.5	79.2	79.5	79.6	79.8	79.8	79.9	79.9	79.9	80.0
≥ 3500		58.6	71.1	73.0	80.3	80.5	81.3	82.0	82.3	82.5	82.7	82.7	82.8	82.8	82.8	82.9
≥ 3000		58.7	73.1	76.0	84.2	84.4	85.3	86.2	86.6	86.9	87.1	87.1	87.2	87.2	87.2	87.3
≥ 2500		59.8	76.7	78.6	87.4	87.7	88.7	89.6	90.0	90.4	90.5	90.6	90.7	90.7	90.7	90.8
≥ 2000		60.1	78.1	80.2	88.6	89.9	91.0	92.0	92.7	93.0	93.2	93.4	93.5	93.5	93.5	93.6
≥ 1800		60.2	78.1	81.4	89.9	91.2	91.3	92.3	92.9	93.3	93.6	93.6	93.7	93.7	93.7	93.8
≥ 1500		60.7	78.8	81.5	91.1	91.4	92.6	93.7	94.4	94.8	95.1	95.1	95.2	95.2	95.3	95.4
≥ 1200		61.2	79.3	82.3	92.2	92.4	93.7	94.8	95.5	95.9	96.2	96.2	96.4	96.4	96.4	96.5
≥ 1000		61.7	80.1	82.6	93.2	93.5	94.8	96.2	97.1	97.4	97.7	97.8	98.0	98.1	98.1	98.1
≥ 900		61.7	80.1	82.8	93.2	93.5	94.9	96.2	97.1	97.5	97.9	97.8	98.1	98.1	98.1	98.2
≥ 800		61.9	80.2	83.1	93.5	93.8	95.3	96.9	97.7	98.1	98.4	98.4	98.6	98.6	98.6	98.7
≥ 700		62.0	80.3	83.3	93.9	94.3	95.7	97.2	98.1	98.5	98.8	98.8	99.1	99.1	99.1	99.2
≥ 600		62.0	80.3	83.4	93.9	94.3	95.7	97.3	98.2	98.6	98.9	98.9	99.2	99.2	99.2	99.3
≥ 500		62.0	80.3	83.4	93.9	94.3	95.7	97.3	98.3	98.6	98.9	99.1	99.2	99.2	99.2	99.3
≥ 400		62.0	80.3	83.4	93.9	94.3	95.7	97.3	98.3	98.6	98.9	99.1	99.2	99.2	99.2	99.3
≥ 300		62.1	80.4	83.4	94.0	94.4	95.8	97.4	98.4	98.7	99.1	99.2	99.5	99.5	99.5	99.6
≥ 200		62.1	80.4	83.5	94.1	94.5	95.9	97.5	98.5	98.8	99.2	99.3	99.6	99.6	99.6	99.7
≥ 100		62.1	80.4	83.5	94.1	94.5	95.9	97.5	98.5	98.8	99.2	99.3	99.6	99.6	99.6	99.7
≥ 0		62.1	80.4	83.5	94.1	94.5	95.9	97.5	98.5	98.8	99.2	99.3	99.6	99.6	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 266

WORLD CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

STATION NO. 73
STATION NAME K-ON-NI RANGE KO

YEARS 1973, 76-79

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-6000
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		31.7	43.4	45.2	51.9	53.2	53.7	55.3	55.5	56.6	56.1	56.6	57.6	56.0	57.1	57.1
≥ 20000		34.2	47.8	49.0	57.3	58.9	59.6	61.2	61.4	62.5	62.7	62.5	62.5	62.5	63.1	62.0
≥ 18000		34.2	47.8	49.6	58.1	59.6	61.4	62.0	62.2	63.2	63.7	63.0	63.2	63.2	63.5	62.6
≥ 16000		34.2	47.8	49.9	58.4	59.9	61.7	62.2	62.2	63.1	63.5	63.5	63.5	63.5	64.0	64.0
≥ 14000		34.4	48.3	51.4	59.1	61.7	61.4	63.0	63.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000		35.0	48.3	51.9	59.6	61.2	62.1	63.3	63.6	64.3	64.3	64.3	64.3	64.3	65.3	65.3
≥ 10000		36.1	50.1	52.4	60.2	63.8	65.3	66.6	67.1	68.1	68.1	68.1	68.1	68.1	69.6	69.6
≥ 9000		36.1	51.9	54.3	64.0	65.6	67.1	68.6	68.9	69.9	69.9	69.9	69.9	69.9	71.4	71.4
≥ 8000		38.3	54.4	57.1	66.8	66.4	70.2	71.7	72.1	73.1	73.1	73.1	73.1	73.1	73.5	73.1
≥ 7000		38.3	54.4	58.1	67.9	69.4	71.2	72.8	73.1	74.1	74.1	74.1	74.1	74.1	74.9	74.9
≥ 6000		39.1	55.7	58.4	69.4	69.9	71.7	73.3	73.5	74.6	74.6	74.6	74.6	74.6	75.1	75.1
≥ 5000		39.8	56.1	59.9	69.9	71.5	73.3	74.8	75.1	76.1	76.1	76.1	76.1	76.1	76.6	76.6
≥ 4500		40.1	56.1	60.2	70.4	72.0	74.0	75.6	75.8	76.9	76.9	76.9	76.9	76.9	77.4	77.4
≥ 4000		40.8	56.4	61.7	72.0	73.5	75.6	77.1	77.4	78.4	78.4	78.4	78.4	78.4	78.9	78.9
≥ 3500		41.4	57.3	62.2	72.5	74.1	76.1	77.6	77.9	78.9	78.9	78.9	78.9	78.9	79.4	79.4
≥ 3000		42.4	61.2	64.5	75.1	77.2	78.2	82.3	82.5	83.5	83.5	83.5	83.5	83.5	84.1	84.1
≥ 2500		43.7	62.1	65.8	77.9	79.7	80.7	84.1	84.3	85.3	85.3	85.3	85.3	85.3	85.9	85.1
≥ 2000		44.0	63.4	67.1	80.5	82.3	85.6	87.9	88.1	89.7	89.7	89.7	89.7	89.7	90.2	90.5
≥ 1800		45.1	64.0	67.4	81.7	82.5	85.9	88.2	88.4	90.1	90.1	90.1	90.1	90.1	90.5	90.7
≥ 1500		45.5	64.5	67.9	81.5	83.8	87.1	89.0	89.2	91.8	91.8	91.8	91.8	91.8	92.3	92.3
≥ 1200		45.8	64.8	68.1	81.7	84.1	87.7	90.5	90.7	92.3	92.3	92.3	92.3	92.3	92.8	93.3
≥ 1000		46.0	65.0	68.4	82.0	84.3	87.9	90.7	91.1	92.5	92.5	92.5	92.5	92.5	93.1	93.6
≥ 900		46.1	65.1	68.4	82.0	84.3	87.9	90.7	91.1	92.5	92.5	92.5	92.5	92.5	93.1	93.6
≥ 800		46.3	65.3	68.6	82.3	84.6	88.2	91.0	91.3	92.6	92.6	92.6	92.6	92.6	93.3	93.8
≥ 700		47.0	65.1	69.7	83.3	85.9	89.5	92.3	92.5	94.1	94.1	94.1	94.1	94.1	94.6	95.4
≥ 600		47.7	65.1	69.7	83.3	85.9	89.5	92.3	92.5	94.1	94.1	94.1	94.1	94.1	94.6	95.4
≥ 500		47.7	66.1	69.7	83.3	85.9	89.5	92.3	92.5	94.1	94.1	94.1	94.1	94.1	94.6	95.6
≥ 400		47.0	66.1	69.7	83.3	85.9	89.7	92.8	93.3	94.9	94.9	94.9	94.9	94.9	95.4	96.7
≥ 300		47.0	66.3	69.9	83.5	86.1	90.0	93.1	93.6	95.1	95.1	95.1	95.1	95.9	96.4	97.7
≥ 200		47.0	66.3	69.9	83.5	86.1	90.0	93.1	93.6	95.1	95.1	95.1	95.9	95.9	96.9	99.7
≥ 100		47.0	66.3	69.9	83.5	86.1	90.0	93.1	93.6	95.1	95.1	95.1	95.9	95.9	96.9	99.7
≥ 0		47.0	66.3	69.9	83.5	86.1	90.0	93.1	93.6	95.1	95.1	95.1	95.9	95.9	96.9	99.7

TOTAL NUMBER OF OBSERVATIONS 739

JOINT CLIMATE BRANCH
USAF ETAC
ATMOSPHERIC SERVICE/410

CEILING VERSUS VISIBILITY

STATION WDA-NI LANGE KO

DATE 68-70, 73-79

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9-17-11-77
HOURS 1-5

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		76.4	49.7	58.7	51.2	56.5	56.5	57.4	57.1	57.6	57.1	57.8	57.8	57.7	58.7	58.2
≥ 20000		43.7	53.4	57.5	65.1	64.4	64.4	65.6	66.3	66.2	66.3	66.3	66.3	66.3	66.3	66.5
≥ 18000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 16000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 14000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 12000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 10000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 9000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 8000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 7000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 6000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 5000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 4500		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 4000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 3500		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 3000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 2500		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 2000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 1800		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 1500		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 1200		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 1000		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 900		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 800		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 700		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 600		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 500		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 400		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 300		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 200		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 100		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4
≥ 0		44.7	57.1	58.5	64.7	65.0	65.7	66.2	66.5	66.3	66.7	66.9	66.9	67.1	67.4	67.4

TOTAL NUMBER OF OBSERVATIONS 85

U.S. AIR FORCE CLIMATOLOGY BRANCH
 1215
 METEOROLOGICAL SERVICE 7743

CEILING VERSUS VISIBILITY

STATION FA-NA-11 RANGE RD STATION NAME

5-73, 73-79 YEARS

12 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
 HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING		43.1	54.1	54.9	51.5	50.5	56.5	57.1	57.1	57.1	57.2	57.4	57.4	57.4	57.4	57.4
≥ 20000		57.1	65.7	65.4	61.5	59.7	69.7	69.6	69.6	69.6	69.7	69.9	69.9	69.9	69.9	69.9
≥ 18000		54.5	67.2	66.1	71.8	71.9	70.9	71.5	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8
≥ 16000		58.9	67.4	63.4	71.1	71.2	71.2	71.6	71.6	71.6	72.3	72.1	72.1	72.1	72.1	72.1
IV 14000		59.4	68.7	64.6	72.3	72.4	72.4	73.1	73.1	73.1	73.2	73.3	73.3	73.3	73.3	73.3
IV 12000		59.2	70.8	71.2	74.4	74.5	74.5	75.1	75.1	75.1	75.3	75.4	75.4	75.4	75.4	75.4
IV 10000		62.2	72.1	72.9	76.3	76.5	76.6	77.2	77.2	77.2	77.4	77.5	77.5	77.5	77.5	77.5
IV 9000		62.7	72.7	73.6	77.1	77.2	77.4	78.5	78.5	78.5	78.7	78.8	78.8	78.8	78.8	78.8
IV 8000		63.0	74.7	75.7	79.5	79.8	79.9	80.5	80.5	80.5	80.7	80.8	80.8	80.8	80.8	80.8
IV 7000		63.2	76.5	77.5	81.4	81.7	81.9	82.5	82.5	82.5	82.6	82.8	82.8	82.8	82.8	82.8
IV 6000		65.6	77.2	78.3	81.2	81.2	81.6	83.2	83.2	83.2	83.4	83.5	83.5	83.5	83.5	83.5
IV 5000		67.0	73.7	79.9	83.8	84.1	84.3	84.9	84.9	84.9	85.1	85.2	85.2	85.2	85.2	85.2
IV 4500		67.8	79.2	80.5	84.4	84.7	84.9	85.5	85.5	85.5	85.6	85.8	85.8	85.8	85.8	85.8
IV 4000		68.4	80.9	81.6	85.6	85.1	86.2	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 3500		69.8	81.7	82.8	87.0	87.4	87.6	88.2	88.2	88.2	88.3	88.5	88.5	88.5	88.5	88.5
IV 3000		71.2	84.6	85.0	91.0	90.4	90.6	91.2	91.2	91.2	91.5	91.6	91.8	91.8	91.8	91.8
IV 2500		72.3	84.7	87.9	91.4	91.9	91.2	91.9	91.8	91.1	92.0	92.4	92.4	92.4	92.4	92.4
IV 2000		72.6	85.8	86.6	91.7	91.3	92.1	93.0	93.4	93.7	93.5	94.0	94.0	94.1	94.1	94.1
IV 1800		72.6	85.1	87.1	91.9	92.2	91.5	93.4	93.4	94.2	94.2	94.5	94.5	94.5	94.5	94.5
IV 1500		73.1	85.7	87.7	92.8	93.3	93.7	94.6	95.1	95.5	95.7	95.8	95.8	95.9	95.9	95.9
IV 1200		73.1	87.3	88.3	93.7	94.2	94.6	95.8	96.1	96.4	96.6	96.7	96.7	96.7	96.7	96.7
IV 1000		73.5	87.5	88.6	94.5	94.9	95.4	96.3	96.7	97.2	97.3	97.5	97.5	97.5	97.5	97.5
IV 900		73.9	87.6	88.6	94.5	94.9	95.4	96.3	96.7	97.2	97.3	97.5	97.5	97.5	97.5	97.5
IV 800		73.6	87.6	88.6	94.5	94.9	95.4	96.3	96.9	97.3	97.5	97.6	97.6	97.6	97.6	97.6
IV 700		73.1	87.6	88.6	94.5	94.9	95.4	96.3	96.9	97.3	97.5	97.6	97.6	97.6	97.6	97.6
IV 600		73.9	87.7	88.9	94.9	95.5	96.0	96.9	97.5	97.9	98.1	98.2	98.4	98.4	98.4	98.4
IV 500		73.9	87.7	88.9	94.9	95.5	96.0	96.9	97.5	97.9	98.1	98.2	98.4	98.4	98.4	98.4
IV 400		74.2	88.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.6	99.7	99.7
IV 300		74.7	88.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.6	99.7	99.7
IV 200		74.2	88.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.6	99.7	99.7
IV 100		74.2	88.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.6	99.7	99.7
IV 0		74.2	88.3	89.4	95.4	96.0	96.4	97.3	97.9	98.7	98.8	99.1	99.4	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 567

JOINT CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION KICN-NI KANGU KO

PERIOD 70-73-79

MA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15-0-170

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	66.1	58.6	52.2	47.7	47.7	57.7	57.7	58.0	54.6	51.0	51.0	51.0	51.0	51.0	58.1	44.1
IV 18000	66.1	61.1	61.5	71.6	73.0	73.0	73.0	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 16000	67.1	71.7	71.8	74.1	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	67.1	71.7	72.1	74.6	74.6	74.6	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 12000	67.1	72.1	73.3	76.6	76.6	76.6	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 10000	71.1	74.1	75.0	78.2	78.2	78.2	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 9000	71.1	76.1	76.5	79.7	79.7	79.7	79.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 8000	71.1	77.1	77.3	81.4	81.4	81.4	81.4	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 7000	71.1	77.7	79.4	82.9	82.9	82.9	82.9	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 6000	71.1	77.1	79.7	83.2	83.2	83.2	83.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 5000	71.1	81.1	81.9	85.6	85.6	85.6	85.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 4500	75.8	82.1	82.7	86.5	86.5	86.5	86.5	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 4000	77.1	83.1	83.9	87.6	87.6	87.6	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 3500	74.1	84.1	85.4	89.2	89.2	89.2	89.2	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3000	81.4	84.1	85.0	92.9	92.9	92.9	92.9	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 2500	81.1	87.1	87.1	94.6	94.6	94.6	94.6	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 2000	82.6	91.1	91.0	95.9	95.9	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1800	81.1	91.1	91.1	95.9	95.9	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1500	83.2	91.1	91.7	96.6	96.6	96.6	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	83.2	91.1	91.7	96.6	96.6	96.6	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1000	83.6	91.1	92.1	97.0	97.0	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	83.6	91.1	92.1	97.0	97.0	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800	83.6	91.1	92.1	97.0	97.0	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	83.6	91.1	92.1	97.0	97.0	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 600	83.6	91.1	92.1	97.0	97.0	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500	83.6	91.1	92.1	97.0	97.0	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	84.3	91.1	92.7	97.6	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 300	84.3	91.1	92.7	97.6	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 200	84.3	91.1	92.7	97.6	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 100	84.3	91.1	92.7	97.6	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 0	84.3	91.1	92.7	97.6	97.6	97.6	97.6	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 351

ADDITIONAL INFORMATION: RANGE
STATION
STATION NAME

CEILING VERSUS VISIBILITY

STATION NO. 73 STATION NAME N ON-VI RANGE RD YEAR 65-70, 73-79 MONTH ALL HOURS 1-1

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	44.2	51.7	52.4	51.0	51.3	53.3	57.1	57.2	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	41.4	60.9	61.7	66.0	66.4	66.5	67.3	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 18000	42.3	61.0	62.9	67.5	67.9	68.0	68.9	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 16000	42.6	62.4	63.4	68.1	68.5	68.6	69.4	69.6	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0
IV 14000	43.7	63.3	64.6	69.4	69.8	69.9	70.8	70.9	71.2	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 12000	44.5	64.7	65.3	71.1	71.5	71.6	72.5	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 10000	45.1	65.4	67.7	73.4	73.8	74.2	75.0	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 9000	46.5	67.3	68.7	74.4	74.8	75.2	76.1	76.2	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 8000	47.5	69.3	70.7	75.7	77.1	77.6	78.5	78.7	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 7000	48.7	71.3	72.2	76.3	78.6	79.3	80.2	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 6000	49.2	71.3	72.7	76.9	79.3	79.0	80.7	80.5	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 5000	49.5	72.3	74.4	80.6	81.0	81.6	82.5	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4500	49.9	73.3	74.9	81.2	81.7	82.2	83.1	83.3	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7
IV 4000	51.8	74.7	76.2	82.6	83.2	83.7	84.5	84.6	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2
IV 3500	63.0	76.0	77.5	84.0	84.6	85.2	86.1	86.2	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8
IV 3000	54.9	76.4	81.1	87.7	88.3	89.3	89.3	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2500	65.6	79.4	81.1	88.2	88.9	89.5	90.5	90.7	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000	66.3	81.4	82.1	89.6	90.3	91.1	92.4	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1800	66.2	81.7	82.1	89.8	90.5	91.4	92.6	93.7	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1500	66.3	81.1	82.3	90.8	91.5	92.5	93.9	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	67.3	81.4	83.0	91.1	92.0	93.0	94.3	94.7	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1000	67.3	81.7	83.4	91.6	92.6	93.6	95.0	95.4	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900	67.3	81.7	83.4	91.6	92.6	93.6	95.0	95.4	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 800	67.4	81.8	83.5	91.7	92.7	93.7	95.1	95.6	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6
IV 700	67.6	82.1	83.8	90.1	93.1	94.2	95.6	96.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600	67.6	82.2	83.9	92.3	93.3	94.4	95.8	96.3	97.5	97.2	97.3	97.5	97.5	97.5	97.5	97.5
IV 500	67.6	82.3	83.9	92.3	93.3	94.4	95.8	96.3	97.5	97.2	97.3	97.5	97.5	97.5	97.5	97.5
IV 400	67.9	82.7	84.1	92.6	93.6	94.7	96.2	96.8	97.6	97.9	98.0	98.2	98.3	98.6	98.6	98.6
IV 300	67.9	82.7	84.2	92.7	93.8	94.9	96.4	97.1	97.9	98.1	98.2	98.6	98.7	99.1	99.4	99.4
IV 200	67.9	82.7	84.2	92.7	93.8	94.9	96.4	97.1	97.9	98.1	98.2	98.6	98.7	99.1	99.4	99.4
IV 100	67.9	82.7	84.2	92.7	93.8	94.9	96.4	97.1	97.9	98.1	98.2	98.6	98.7	99.1	99.4	99.4
IV 0	67.9	82.7	84.2	92.7	93.8	94.9	96.4	97.1	97.9	98.1	98.2	98.6	98.7	99.1	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 2527

JOINT CLIMATOLOGY BRANCH
AFETAC
U.S. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ALUN-NI RANGE K3 STATION NAME

65-73, 73-79 YEARS

PER MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

65-73, 73-79 HOURS

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	20.4	40.6	40.6	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 18000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 16000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 14000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 12000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 10000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 9000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 8000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 7000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 6000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 5000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 4500	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 4000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 3500	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 3000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 2500	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 2000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 1800	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 1500	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 1200	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 1000	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 900	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 800	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 700	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 600	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 500	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 400	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 300	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 200	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 100	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 0	40.6	50.4	50.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2

TOTAL NUMBER OF OBSERVATIONS 205

1. NAME OF AERONAUTICAL STATION
2. LOCATION
3. AIRCRAFT SERVICE UNIT

4. DATE
5. TIME

CEILING VERSUS VISIBILITY

6. STATION
7. STATION NAME

8. YEARS

9. MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10. HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		45.7	55.8	65.8	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 20000		55.8	64.5	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 18000		56.8	65.8	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 16000		55.8	65.8	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 14000		57.2	66.7	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000		57.7	67.1	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000		59.4	69.3	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000		59.9	71.7	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 8000		62.7	73.7	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000		63.4	74.4	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000		64.3	75.2	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 5000		65.4	75.7	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4500		65.8	76.1	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4000		66.4	77.0	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500		67.5	77.9	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000		69.1	82.7	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500		71.1	82.7	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000		71.5	83.5	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1800		71.5	83.5	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500		72.7	85.1	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1200		73.3	85.7	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000		73.6	86.3	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		73.8	86.5	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800		73.4	86.2	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700		74.3	87.1	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600		74.3	87.1	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500		74.0	87.1	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 400		74.1	87.2	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 300		74.1	87.2	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200		74.1	87.2	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 100		74.1	87.2	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 0		74.1	87.2	75.2	87.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS 673

JOINT CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
 73

STATION NAME
 KCON-NI RANGE MO

YEARS
 63-70, 73-79

APR
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12.0-14.0
 HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		53.1	56.5	56.8	58.2	58.2	59.2	58.2	58.2	58.2	58.3	58.2	58.3	58.3	58.3	58.3
≥ 20000		64.3	65.3	69.2	70.6	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8
≥ 18000		65.5	70.0	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ 16000		65.8	71.0	71.3	71.8	71.8	71.8	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0
≥ 14000		67.1	71.2	71.5	73.0	73.0	73.0	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2
≥ 12000		66.6	72.7	72.0	74.7	74.7	74.7	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9
≥ 10000		71.3	76.1	76.4	78.1	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
≥ 9000		71.3	76.1	76.4	78.1	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
≥ 8000		74.5	78.6	78.9	80.6	80.6	80.6	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 7000		75.7	79.8	80.1	81.9	81.9	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000		75.3	80.4	80.7	82.5	82.5	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 5000		77.7	81.6	81.9	83.8	83.8	83.8	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4500		77.7	81.6	82.1	83.9	83.9	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 4000		79.0	83.0	83.5	85.3	85.3	85.3	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500		79.3	84.0	84.7	86.5	86.5	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000		80.9	86.4	86.7	88.7	88.7	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500		81.9	87.4	87.7	89.7	89.7	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000		84.3	90.0	90.7	93.6	93.6	93.6	94.0	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1800		84.1	90.0	90.7	93.6	93.6	94.0	94.2	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500		84.2	90.0	91.6	94.5	94.5	95.1	95.3	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200		84.4	91.0	91.9	94.9	94.9	95.6	95.7	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000		85.0	91.7	92.0	95.7	95.7	96.5	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 900		85.6	92.3	93.3	96.5	96.6	97.2	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800		85.6	92.3	93.3	96.5	96.6	97.4	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700		85.6	92.3	93.3	96.5	96.6	97.4	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600		85.6	92.3	93.3	96.5	96.6	97.4	97.5	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500		85.8	92.6	93.7	97.1	97.2	98.0	98.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400		85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300		85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200		85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100		85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0		85.8	92.6	93.7	97.1	97.2	98.0	98.6	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 653

USAF ETAC
FORM 14-5 (OL A)
PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

STATION NAME: 63-70, 73-79 YEARS: APR
STATION NAME: 63-70, 73-79 MONTH: APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	55.1	55.4	55.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 20000	55.1	55.4	55.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 18000	57.7	59.1	59.3	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 16000	67.7	69.1	69.6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 14000	69.1	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
≥ 12000	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
IV 10000	74.3	75.7	75.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 9000	75.7	75.4	77.1	73.4	75.4	75.4	79.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 8000	75.7	80.1	80.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 7000	80.3	82.2	82.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 6000	81.8	83.2	83.2	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 5000	81.8	84.1	84.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 4500	82.2	84.6	85.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 4000	83.2	85.9	86.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 3500	83.4	86.4	87.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 3000	85.9	88.4	89.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 2500	88.4	89.4	90.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 2000	87.7	91.2	91.8	94.2	94.4	94.6	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1800	87.4	90.9	92.0	94.4	94.6	94.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1500	87.8	91.4	92.5	95.3	95.5	95.8	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	88.1	91.1	92.2	95.6	95.8	96.2	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	89.4	92.1	93.2	96.2	96.3	96.7	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 900	88.3	90.3	93.5	95.5	96.7	97.0	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800	88.5	90.3	93.7	96.7	96.9	97.2	97.4	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1
IV 700	88.5	92.4	93.7	96.7	96.9	97.2	97.4	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1
IV 600	88.5	92.4	93.7	96.7	96.9	97.2	97.4	97.6	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3
IV 500	89.5	92.4	93.7	96.7	96.9	97.9	98.1	98.6	98.6	98.6	98.6	98.6	98.8	98.8	98.8	99.0
IV 400	89.0	92.7	94.2	97.2	97.4	98.4	98.6	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.5
IV 300	89.3	93.0	94.2	97.2	97.4	98.4	98.6	99.1	99.1	99.1	99.1	99.1	99.3	99.3	99.3	99.5
IV 200	89.0	93.0	94.2	97.2	97.4	98.4	98.6	99.1	99.1	99.1	99.1	99.1	99.7	99.7	99.8	100.0
IV 100	89.0	93.0	94.2	97.2	97.4	98.4	98.6	99.1	99.1	99.1	99.1	99.1	99.7	99.7	99.8	100.0
IV 0	89.0	93.0	94.2	97.2	97.4	98.4	98.6	99.1	99.1	99.1	99.1	99.1	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 57

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

USE WITH DATA TO
SERIES ONE

CEILING VERSUS VISIBILITY

4-73
STATION

KOON-NI RANGE MO
STATION NAME

68-72, 73-79
YEARS

ADG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		49.1	54.7	54.5	56.8	56.9	57.0	57.1	57.3	57.4	57.4	57.5	57.5	57.5	57.5	57.7
≥ 20000		50.7	64.2	65.2	67.6	67.7	67.8	68.0	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.5
≥ 18000		59.6	69.9	66.2	68.6	63.7	68.8	69.0	69.1	69.2	69.3	69.3	69.4	69.4	69.4	69.5
≥ 16000		59.9	61.5	66.2	63.7	63.8	68.9	69.0	69.1	69.3	69.3	69.4	69.5	69.5	69.5	69.6
≥ 14000		61.5	66.8	67.2	69.7	69.8	69.9	70.0	70.1	70.3	70.3	70.4	70.5	70.5	70.5	70.6
≥ 12000		61.7	63.1	68.5	71.0	71.1	71.2	71.3	71.5	71.6	71.6	71.7	71.8	71.8	71.9	71.9
≥ 10000		64.2	71.9	71.3	74.1	74.2	74.3	74.5	74.6	74.7	74.3	74.8	74.9	74.9	74.9	75.0
≥ 9000		64.6	71.5	71.9	74.7	74.8	74.9	75.1	75.2	75.3	75.4	75.4	75.5	75.5	75.5	75.6
≥ 8000		67.5	74.6	75.1	77.9	78.0	78.2	78.3	78.5	78.6	78.7	78.7	78.8	78.9	78.9	78.9
≥ 7000		66.3	75.1	76.5	79.4	79.5	79.8	79.9	80.1	80.2	80.3	80.3	80.4	80.4	80.5	80.5
≥ 6000		69.4	76.4	77.0	80.0	80.1	80.3	80.5	80.7	80.8	80.9	80.9	81.0	81.0	81.0	81.1
≥ 5000		70.5	77.9	78.3	81.3	81.4	81.6	81.8	82.0	82.1	82.2	82.2	82.3	82.3	82.3	82.4
≥ 4500		70.7	78.2	78.8	81.5	81.6	81.9	82.1	82.2	82.4	82.4	82.5	82.6	82.6	82.6	82.7
≥ 4000		71.7	79.4	79.9	82.9	82.9	83.2	83.4	83.6	83.7	83.7	83.8	83.9	83.9	83.9	84.0
≥ 3500		72.6	80.2	80.6	84.1	84.2	84.4	84.6	84.8	84.9	84.9	85.0	85.1	85.1	85.1	85.2
≥ 3000		74.6	82.6	83.1	86.3	86.4	86.6	86.8	87.0	87.1	87.2	87.2	87.3	87.3	87.3	87.5
≥ 2500		75.7	83.6	84.4	87.7	87.9	88.0	88.3	88.5	88.6	88.7	88.7	88.8	88.8	88.9	89.0
≥ 2000		76.7	85.0	85.9	89.9	90.4	91.2	91.4	91.7	91.8	91.9	91.9	92.0	92.0	92.0	92.2
≥ 1800		76.8	85.3	86.0	90.0	91.5	91.3	91.5	91.8	91.9	91.9	92.0	92.1	92.1	92.1	92.3
≥ 1500		77.4	86.2	86.2	91.2	91.7	92.8	93.0	93.3	93.4	93.5	93.5	93.6	93.6	93.6	93.8
≥ 1200		77.8	86.5	87.7	92.1	92.6	93.7	94.0	94.4	94.5	94.6	94.6	94.7	94.7	94.8	94.9
≥ 1000		78.1	87.1	88.2	92.6	93.2	94.3	94.7	95.2	95.3	95.4	95.4	95.5	95.5	95.6	95.7
≥ 900		78.5	87.7	88.9	93.4	94.0	95.2	95.6	96.0	96.2	96.3	96.3	96.4	96.4	96.5	96.6
≥ 800		78.5	87.8	89.0	93.6	94.2	95.4	95.9	96.3	96.5	96.6	96.6	96.7	96.7	96.8	97.0
≥ 700		78.6	87.9	89.1	93.7	94.3	95.6	96.1	96.6	96.7	96.8	96.8	97.0	97.0	97.1	97.2
≥ 600		78.6	87.9	89.1	93.8	94.4	95.6	96.2	96.6	96.8	96.9	96.9	97.0	97.0	97.1	97.3
≥ 500		78.7	88.1	89.3	94.0	94.6	96.0	96.5	97.1	97.3	97.3	97.4	97.6	97.6	97.7	98.0
≥ 400		78.9	88.3	89.5	94.2	94.9	96.3	97.0	97.6	97.8	97.9	97.9	98.1	98.1	98.2	98.5
≥ 300		78.9	88.3	89.5	94.2	94.9	96.3	97.0	97.6	97.9	98.0	98.0	98.5	98.5	98.8	99.3
≥ 200		78.9	88.3	89.5	94.2	94.9	96.3	97.0	97.6	97.9	98.0	98.1	98.6	98.7	99.0	99.8
≥ 100		78.9	88.3	89.5	94.2	94.9	96.3	97.0	97.6	97.9	98.0	98.1	98.6	98.7	99.0	99.9
≥ 0		78.9	88.3	89.5	94.2	94.9	96.3	97.0	97.6	97.9	98.0	98.1	98.6	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2293

U.S. AIR FORCE
CLIMATE DIVISION
A. DATA SERVICE/440

CEILING VERSUS VISIBILITY

STATION ALON-VE RANGE KJ

55-70.73-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-1951
HOURS 137

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	46.4	46.4	46.8	47.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 20000	46.4	54.4	54.5	57.8	54.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 18000	46.4	54.4	55.5	57.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 16000	47.1	55.4	55.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 14000	48.9	57.3	57.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 12000	50.9	57.3	57.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	54.8	61.6	64.2	64.5	64.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000	55.7	63.5	65.6	70.3	70.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	56.5	67.3	67.3	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 7000	56.9	67.3	67.5	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 6000	57.9	69.4	69.5	73.4	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	58.6	70.3	70.8	73.7	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500	59.3	71.1	71.1	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4000	61.1	72.5	72.6	77.7	78.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500	61.1	72.6	72.9	78.7	79.0	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000	62.4	74.4	74.7	81.1	81.2	81.6	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2500	63.2	76.6	76.2	82.4	83.6	84.1	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2000	63.7	76.7	77.1	84.4	85.7	86.4	86.7	86.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	63.7	76.7	77.2	84.7	85.9	86.7	87.0	87.1	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1500	65.5	79.7	79.5	87.2	88.5	89.3	89.8	89.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200	66.5	81.1	81.1	88.7	90.7	91.8	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1000	66.8	81.6	81.6	90.0	91.3	92.1	92.8	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 900	66.8	81.1	82.1	90.3	91.6	92.3	93.1	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	67.3	81.6	82.6	91.8	92.3	93.1	93.9	93.9	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 700	67.3	81.1	83.1	91.3	92.8	93.6	94.4	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 600	67.3	81.3	83.6	91.8	93.4	94.1	94.9	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 500	67.4	82.1	83.9	92.3	93.9	94.6	95.4	95.4	95.9	95.9	95.9	96.2	96.2	96.2	96.2	96.2
≥ 400	67.5	82.4	84.1	92.6	94.1	94.9	95.9	96.4	96.9	96.9	97.4	97.7	97.7	98.0	98.0	98.5
≥ 300	67.4	82.4	84.1	92.6	94.1	95.4	96.4	96.9	97.4	97.4	98.0	98.2	98.2	98.5	98.5	99.0
≥ 200	67.5	82.4	84.1	92.6	94.1	95.4	96.4	96.9	97.4	97.4	98.0	98.2	98.2	98.5	98.5	99.0
≥ 100	67.5	82.4	84.1	92.6	94.1	95.4	96.4	96.9	97.4	97.4	98.0	98.2	98.2	98.5	98.5	99.0
≥ 0	67.5	82.4	84.1	92.6	94.1	95.4	96.4	96.9	97.4	97.4	98.0	98.2	98.2	98.5	98.5	99.0

TOTAL NUMBER OF OBSERVATIONS 391

LOCAL CLIMATOLOGY BRANCH
 USAF ETAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: KCON-NI RANGE KO STATION NAME: 65-70, 73-79 YEARS: 1965-1966 MONTH: MAY HOURS: 1100

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	48.6	54.8	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.1
≥ 20000	50.8	63.4	63.4	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.0	64.0	64.0
≥ 18000	57.3	63.4	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.7
≥ 16000	57.4	64.1	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9	64.9	64.9
≥ 14000	58.1	64.7	64.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4
≥ 12000	51.3	67.7	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5	68.5
≥ 10000	63.5	71.5	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7	72.7
≥ 9000	64.4	71.9	72.5	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.3	73.3	73.3
≥ 8000	66.4	74.7	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.1	76.1
≥ 7000	67.5	75.1	76.1	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.9	76.9	76.9
≥ 6000	68.2	76.1	76.7	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.8	77.8	77.8
≥ 5000	68.1	77.2	78.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.5	79.5	79.5
≥ 4500	69.6	77.8	78.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8
≥ 4000	70.7	78.7	79.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.6	81.6	81.6
≥ 3500	71.8	79.8	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.9	82.9	82.9
≥ 3000	72.9	80.7	82.1	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	84.5	84.5	84.5
≥ 2500	73.6	81.1	83.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	86.6	86.6	86.6
≥ 2000	74.5	83.6	85.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	88.3	88.3	88.3
≥ 1800	74.7	84.1	85.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	88.7	88.7	88.7
≥ 1500	75.3	85.2	86.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	91.5	91.5	91.5
≥ 1200	75.4	86.4	87.8	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	93.1	93.1	93.1
≥ 1000	75.5	87.0	88.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	94.8	94.8	94.8
≥ 900	76.5	87.2	89.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	94.8	94.8	94.8
≥ 800	76.7	87.2	88.6	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	95.2	95.2	95.2
≥ 700	76.9	87.3	88.7	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	95.5	95.5	95.5
≥ 600	77.3	88.3	89.8	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	97.1	97.1	97.1
≥ 500	77.9	88.7	90.3	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	98.1	98.1	98.1
≥ 400	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	98.3	98.3	98.3
≥ 300	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	99.1	99.1	99.1
≥ 200	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	99.1	99.1	99.1
≥ 100	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	99.1	99.1	99.1
≥ 0	77.9	88.9	90.4	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 643

ORIGINAL DATA TOLSON STATION
 1. TOLSON
 2. PATH - SERVICE - 7400

CEILING VERSUS VISIBILITY

STATION 13 HIGH-WI RANGE KJ STATION NAME 60-77,73-79 YEARS MAY MONTH 1200-1400 HOURS (EST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING		58.1	58.1	58.9	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000		65.6	65.6	65.7	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 18000		66.1	66.7	66.8	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000		66.1	66.7	66.8	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000		66.9	66.6	66.7	71.5	71.5	71.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000		71.2	74.1	74.1	74.9	75.1	75.1	75.2	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5
≥ 10000		75.6	77.5	77.4	78.2	78.4	78.4	78.5	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8
≥ 9000		78.2	78.7	78.8	79.6	79.8	79.8	79.9	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3
≥ 8000		78.8	80.0	81.9	82.7	82.1	82.1	82.3	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000		77.3	81.3	81.5	82.6	82.8	82.8	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000		78.7	82.4	82.9	84.0	84.2	84.2	84.3	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6
≥ 5000		81.5	84.3	84.8	85.9	86.1	86.1	86.2	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500		81.7	84.5	85.0	86.1	86.2	86.2	86.4	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000		82.0	85.3	85.2	87.5	87.6	87.6	87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500		82.6	86.4	86.8	88.6	88.7	88.7	88.9	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2
≥ 3000		83.9	87.6	88.2	91.4	91.6	91.6	91.9	91.1	91.2	91.2	91.4	91.4	91.4	91.4	91.4
≥ 2500		85.1	88.9	89.5	92.3	92.5	92.8	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3
≥ 2000		85.9	89.7	91.3	93.3	93.4	93.7	93.9	94.1	94.0	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800		86.1	89.8	91.4	93.4	93.6	93.9	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500		86.7	91.3	91.8	95.6	95.3	96.1	96.2	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1200		87.1	91.2	91.8	95.9	96.1	96.4	96.6	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000		87.1	91.4	92.0	96.2	96.7	97.0	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 900		87.1	91.4	92.0	96.2	96.7	97.0	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800		87.1	91.4	92.0	96.2	96.7	97.0	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700		87.6	91.4	92.6	96.9	97.3	98.0	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600		88.1	91.4	93.1	97.6	98.1	98.7	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500		88.1	91.4	93.3	97.8	98.3	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400		88.1	91.4	93.3	97.8	98.3	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300		88.1	91.4	93.3	97.8	98.3	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200		88.1	91.4	93.3	97.8	98.3	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100		88.1	91.4	93.3	97.8	98.3	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0		88.1	91.4	93.3	97.8	98.3	98.9	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 636

LOCAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 4004-NI RANGE KO

60-70.73-79

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	¾
NO CEILING		61.6	62.7	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 20000		73.3	73.3	73.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 18000		72.4	73.7	74.0	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 16000		72.4	73.7	74.0	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 14000		73.7	75.0	75.3	75.9	75.9	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.3	76.3	76.3
≥ 12000		77.0	75.3	76.7	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.6	79.6	79.6
≥ 10000		81.8	82.0	82.7	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.9	83.9	83.9
≥ 9000		81.8	83.3	84.0	84.8	84.8	84.8	84.8	84.8	85.0	85.0	85.0	85.0	85.2	85.2	85.2
≥ 8000		82.9	84.0	85.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	87.0	87.0	87.0
≥ 7000		82.9	84.0	85.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	87.0	87.0	87.0
≥ 6000		83.7	85.3	85.3	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.8	87.8	87.8
≥ 5000		86.4	88.4	89.4	90.5	90.7	90.7	90.7	90.7	90.9	90.9	90.9	90.9	91.1	91.3	91.3
≥ 4500		87.7	89.7	89.6	91.7	90.9	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.5	91.5	91.5
≥ 4000		87.4	89.7	90.0	91.1	91.3	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.7	91.8	91.8
≥ 3500		87.9	89.8	90.0	91.7	91.8	92.0	92.0	92.0	92.1	92.2	92.4	92.5	92.6	92.8	92.8
≥ 3000		88.3	90.0	91.3	92.4	92.6	92.9	92.9	92.9	93.1	93.3	93.5	93.7	93.7	93.7	93.7
≥ 2500		89.8	91.7	92.6	93.9	94.1	94.4	94.4	94.4	94.6	94.8	95.0	95.2	95.2	95.2	95.2
≥ 2000		90.7	92.4	93.7	95.0	95.2	95.5	95.5	95.5	95.7	95.9	96.1	96.3	96.3	96.3	96.3
≥ 1800		90.7	92.4	93.7	95.0	95.2	95.5	95.5	95.5	95.9	96.1	96.3	96.5	96.7	96.7	96.7
≥ 1500		90.9	92.7	94.6	95.9	96.1	97.2	97.4	97.4	97.6	97.8	98.0	98.1	98.1	98.1	98.1
≥ 1200		90.9	93.3	94.0	95.9	96.1	97.2	97.4	97.4	97.6	97.8	98.0	98.1	98.1	98.1	98.1
≥ 1000		91.3	93.3	95.2	96.5	96.7	98.0	98.1	98.1	98.3	98.7	98.9	99.1	99.1	99.1	99.1
≥ 900		91.3	93.3	95.2	96.5	96.7	98.0	98.1	98.1	98.3	98.7	98.9	99.1	99.1	99.1	99.1
≥ 800		91.3	93.3	95.2	96.5	96.7	98.0	98.1	98.1	98.3	98.7	98.9	99.1	99.1	99.1	99.1
≥ 700		91.3	93.3	95.2	96.5	96.7	98.0	98.1	98.1	98.3	98.7	98.9	99.1	99.1	99.1	99.1
≥ 600		91.3	94.1	95.4	96.7	96.8	98.1	98.3	98.3	98.5	98.9	99.1	99.3	99.3	99.3	99.3
≥ 500		91.3	94.1	95.4	96.7	96.8	98.1	98.9	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8
≥ 400		91.3	94.1	95.4	96.7	96.8	98.1	98.9	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8
≥ 300		91.3	94.1	95.4	96.7	96.8	98.1	98.9	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8
≥ 200		91.3	94.1	95.4	96.7	96.8	98.1	98.9	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8
≥ 100		91.3	94.1	95.4	96.7	96.8	98.1	98.9	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8
≥ 0		91.3	94.1	95.4	96.7	96.8	98.1	98.9	98.9	99.1	99.4	99.6	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 539

CLIMATE DIVISION
 WASHINGTON, D.C.
 METEOROLOGICAL SERVICE

CEILING VERSUS VISIBILITY

STATION NO. 73 STATION NAME WASH, DC LARGE WD YEARS -73-79 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS 151

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		56.3	56.3	56.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000		61.1	63.3	65.4	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.7
≥ 18000		61.4	63.3	65.3	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.8	67.8	67.8
≥ 16000		61.7	65.3	66.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.9	67.9	67.9
≥ 14000		62.7	67.2	67.5	67.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.9	68.9	68.9
≥ 12000		66.3	70.3	72.6	72.1	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.4
≥ 10000		69.3	74.4	74.8	76.1	76.2	76.2	76.3	76.3	76.4	76.4	76.4	76.4	76.5	76.5	76.5
≥ 9000		70.3	75.3	75.9	77.3	77.4	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.7	77.7	77.7
≥ 8000		71.3	77.3	78.2	79.6	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.9	80.0	80.0	80.0
≥ 7000		72.3	77.3	78.4	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.4	80.4	80.5	80.5	80.5
≥ 6000		73.1	78.4	79.4	81.1	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.5	81.5	81.5
≥ 5000		74.3	80.3	81.3	83.3	83.5	83.5	83.5	83.6	83.7	83.7	83.7	83.8	83.9	83.9	83.9
≥ 4500		75.3	81.3	81.3	83.5	83.6	83.6	83.8	83.8	84.0	84.0	84.0	84.1	84.2	84.2	84.2
≥ 4000		76.3	82.3	82.9	84.8	85.1	85.2	85.2	85.3	85.4	85.5	85.5	85.5	85.6	85.6	85.6
≥ 3500		76.9	83.3	83.5	85.6	85.9	86.1	86.2	86.3	86.4	86.5	86.5	86.5	86.6	86.6	86.6
≥ 3000		77.9	83.6	84.6	87.1	87.5	88.1	88.1	88.1	88.3	88.4	88.4	88.5	88.5	88.5	88.5
≥ 2500		78.1	84.2	85.1	88.9	89.5	89.8	89.9	89.9	90.1	90.2	90.2	90.3	90.3	90.3	90.3
≥ 2000		79.6	85.7	87.2	90.3	90.6	91.2	91.3	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.8
≥ 1800		79.9	85.8	87.4	90.4	90.6	91.3	91.3	91.7	91.9	92.0	92.0	92.1	92.1	92.1	92.1
≥ 1500		80.6	87.7	88.7	92.4	92.7	93.7	93.9	94.0	94.2	94.3	94.3	94.4	94.4	94.4	94.4
≥ 1200		81.2	88.4	89.4	93.1	93.5	94.4	94.7	94.7	94.9	95.0	95.1	95.2	95.2	95.2	95.2
≥ 1000		81.7	88.9	89.9	94.1	94.6	95.6	95.8	95.9	96.1	96.3	96.3	96.4	96.4	96.4	96.4
≥ 900		81.8	89.0	90.0	94.1	94.6	95.6	95.9	95.9	96.2	96.3	96.3	96.4	96.4	96.4	96.4
≥ 800		82.6	89.1	90.1	94.3	94.9	95.9	96.3	96.3	96.5	96.7	96.7	96.8	96.8	96.8	96.8
≥ 700		83.3	89.1	90.4	94.6	95.2	96.3	96.6	96.7	96.9	97.0	97.1	97.2	97.2	97.2	97.2
≥ 600		82.1	89.8	91.0	95.4	95.9	97.0	97.4	97.4	97.7	97.8	97.9	98.0	98.0	98.0	98.0
≥ 500		83.3	87.3	91.2	95.7	96.3	97.6	98.0	98.1	98.3	98.4	98.6	98.7	98.7	98.7	98.7
≥ 400		82.3	88.1	91.3	95.8	96.3	97.7	98.1	98.2	98.5	98.7	98.9	99.1	99.1	99.1	99.2
≥ 300		82.3	87.1	91.3	95.8	96.3	97.9	98.4	98.5	98.8	99.1	99.3	99.5	99.5	99.5	99.5
≥ 200		82.3	87.1	91.3	95.8	96.3	97.9	98.4	98.5	98.8	99.1	99.3	99.5	99.5	99.5	99.5
≥ 100		82.3	87.1	91.3	95.8	96.3	97.9	98.4	98.5	98.8	99.1	99.3	99.5	99.5	99.7	99.7
≥ 0		82.3	87.1	91.3	95.8	96.3	97.9	98.4	98.5	98.8	99.1	99.3	99.5	99.6	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 215

USAF CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WFO-NH RANGE RD STATION NAME: (6-70,73-72) YEARS: JUN
MONTH: 1962-1962
HOURS: 15

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15
NO CEILING	11.2	2.7	32.5	34.5	34.3	34.9	34.8	34.8	34.8	35.0	35.2	35.2	35.2	35.2	35.2	35.2
≥ 20000	27.4	37.6	32.8	43.9	44.2	44.4	44.4	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 18000	27.7	37.8	33.3	44.4	44.7	44.9	44.9	44.9	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 16000	27.7	38.1	33.6	44.7	44.9	45.2	45.2	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 14000	27.4	37.8	34.1	45.2	45.4	46.2	46.2	46.2	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 12000	27.5	37.1	34.6	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 10000	27.5	37.1	34.6	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 9000	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 8000	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 7000	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 6000	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 5000	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 4500	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 4000	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 3500	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 3000	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 2500	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 2000	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 1800	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 1500	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 1200	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 1000	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 900	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 800	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 700	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 600	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 500	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 400	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 300	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 200	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 100	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5
IV 0	27.7	37.8	34.1	45.2	45.4	47.2	47.2	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5

TOTAL NUMBER OF OBSERVATIONS: 304

1. NAME OF STATION
2. LOCATION
3. DATE OF OBSERVATION

CEILING VERSUS VISIBILITY

STATION NAME
STATION NUMBER

DATE OF OBSERVATION

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERCENTAGE OF OCCURRENCE

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05
NO CEILING	73.2	47.1	41.1	47.3	42.2	43.2	43.2	42.1	42.3	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 20000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 18000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 16000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 14000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 12000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 10000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 9000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 7000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 6000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 5000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 4500	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 4000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 3500	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 3000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 2500	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 2000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1800	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1500	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1200	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1000	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 900	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 800	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 700	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 600	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 500	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 400	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 300	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 200	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 100	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING ≥ 20000	44.1	44.1	45.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 16000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 14000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 12000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 10000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 9000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 8000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 7000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 6000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 5000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 3500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 3000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 2500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 2000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 1800	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 1500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 1200	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 1000	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 900	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 800	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 700	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 600	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 500	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 400	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 300	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 200	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 100	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4

TOTAL NUMBER OF OBSERVATIONS 657

U.S. AIR FORCE
 WILSON FIELD
 STATION

CEILING VERSUS VISIBILITY

STATION NAME
 A 04-NI 14561 NO

65-70, 72-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
 HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	≥16	≥1	≥0
NO CEILING	45.8	51.7	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 20000	52.1	64.1	64.1	65.1	65.1	65.1	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IN 18000	51.6	64.8	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IN 16000	51.5	64.8	64.8	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IN 14000	50.5	65.7	65.7	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IN 12000	50.3	65.7	65.7	67.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IN 10000	57.0	72.0	72.0	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IN 9000	64.2	74.5	74.5	75.9	75.9	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IN 8000	71.0	76.3	76.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IN 7000	72.2	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IN 6000	73.3	78.9	78.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IN 5000	74.7	80.4	80.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IN 4500	75.3	80.4	81.4	83.7	83.9	84.1	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IN 4000	75.6	82.7	83.5	86.0	86.2	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IN 3500	75.2	84.2	85.1	87.6	87.8	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IN 3000	72.5	85.7	86.9	89.4	89.5	89.7	89.7	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IN 2500	81.7	87.1	87.3	91.3	91.5	91.7	91.7	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IN 2000	82.1	88.7	89.9	92.9	93.1	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IN 1800	82.1	88.7	89.9	92.9	93.1	93.3	93.3	93.3	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IN 1500	83.3	90.1	91.3	94.5	94.7	94.9	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IN 1200	84.0	91.3	92.4	95.8	95.9	96.1	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IN 1000	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 900	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 800	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 700	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 600	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 500	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 400	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 300	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 200	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 100	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IN 0	85.1	92.7	94.1	97.5	97.9	98.2	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 565

CLIMATE CLIMATOLOGY BRANCH
WAFB/CLAC
WAFB/CLAC SERVICE/CLAC

CEILING VERSUS VISIBILITY

STATION 73 KUN-VI RANGE KC STATION NAME 63-70, 73-74 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 20000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 18000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 16000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 14000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 12000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 10000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 9000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 8000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 7000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 6000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 5000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 4500	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 4000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 3500	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 3000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 2500	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 2000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 1800	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 1500	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 1200	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 1000	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 900	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 800	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 700	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 600	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 500	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 400	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 300	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 200	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 100	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 0	43.1	43.1	43.4	44.0	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.2	45.2	45.2

TOTAL NUMBER OF OBSERVATIONS 2281

LOCAL CLIMATE DIVISION
 STATION
 STATION SERVICE NAME

CEILING VERSUS VISIBILITY

STATION
 STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6-2-50
 HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING ≥ 20000	14.7	15.7	15.6	20.5	22.8	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.5
≥ 18000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 16000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 14000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 12000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 10000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 9000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 8000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 7000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 6000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 5000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 4500	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 4000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 3500	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 3000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 2500	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 2000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 1800	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 1500	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 1200	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 1000	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 900	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 800	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 700	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 600	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 500	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 400	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 300	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 200	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 100	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 0	16.5	19.7	22.5	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6

TOTAL NUMBER OF OBSERVATIONS 496

OFFICIAL CLIMATOLOGY BRANCH
USAF ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4 73
STATION

65-NI RANGE RD
STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

900-1100
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		21.5	24.5	25.2	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000		27.8	33.4	33.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 18000		27.5	34.1	34.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 16000		25.5	34.1	34.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 14000		27.2	33.2	33.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 12000		22.2	33.2	34.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 10000		27.2	43.2	44.7	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 9000		37.8	44.4	45.3	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 8000		39.5	47.3	49.2	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 7000		41.0	49.7	50.6	54.5	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 6000		42.8	51.2	52.3	55.8	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 5000		42.9	51.2	52.9	57.4	57.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4500		44.2	53.1	54.2	59.7	59.9	59.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 4000		45.5	54.7	55.8	60.5	60.8	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 3500		46.5	55.6	56.8	61.6	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3000		49.4	59.3	60.5	65.0	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 2500		54.0	64.5	65.4	71.9	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 2000		57.2	68.1	69.3	75.9	76.2	76.4	76.7	76.7	76.7	76.8	76.8	77.0	77.0	77.0	77.0
≥ 1800		55.8	69.2	71.1	77.7	78.0	78.1	78.5	78.5	78.5	78.6	78.6	78.8	78.8	78.8	78.8
≥ 1500		53.2	74.5	75.4	84.7	85.2	85.5	86.0	86.0	86.0	86.2	86.2	86.3	86.3	86.3	86.3
≥ 1200		64.6	76.8	78.5	87.5	88.3	88.7	89.2	89.2	89.2	89.4	89.4	89.5	89.5	89.5	89.5
≥ 1000		66.4	79.4	81.0	91.6	92.6	93.6	94.1	94.1	94.1	94.2	94.2	94.4	94.4	94.4	94.4
≥ 900		66.4	79.4	81.2	92.0	92.9	93.9	94.4	94.4	94.4	94.5	94.5	94.7	94.7	94.7	94.7
≥ 800		68.0	81.2	83.0	93.9	94.9	95.8	96.5	96.5	96.5	96.6	96.6	96.8	96.8	96.8	96.8
≥ 700		69.2	81.7	83.4	94.5	95.5	96.5	97.1	97.1	97.1	97.3	97.3	97.4	97.4	97.4	97.4
≥ 600		69.3	81.4	83.6	94.7	95.7	96.6	97.3	97.3	97.3	97.4	97.4	97.6	97.6	97.6	97.6
≥ 500		69.4	81.5	84.2	96.1	97.1	98.2	98.9	98.9	98.9	99.0	99.0	99.4	99.4	99.4	99.4
≥ 400		68.6	82.7	84.2	96.5	97.4	98.6	99.4	99.4	99.4	99.5	99.5	99.8	99.8	99.8	99.8
≥ 300		68.6	82.7	84.2	96.5	97.4	98.6	99.4	99.4	99.4	99.5	99.5	99.8	99.8	99.8	99.8
≥ 200		68.6	82.7	84.2	96.5	97.4	98.6	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100		63.6	82.7	84.2	96.5	97.4	98.6	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0
≥ 0		58.6	82.7	84.2	96.5	97.4	98.6	99.5	99.5	99.5	99.7	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 522

ALABAMA AIRCRAFT BRANCH
 100-100
 100-100

CEILING VERSUS VISIBILITY

STATION 100-100 RANGE 100 60-70, 70-79 YEARS 100-100
 MONTH 100-100

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-100
 HOURS 100

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING		31.4	32.4	33.4	34.4	35.4	36.4	37.4	38.4	39.4	40.4	41.4	42.4	43.4	44.4	45.4
≥ 20000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 18000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 16000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 14000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 12000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 10000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 9000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 8000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 7000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 6000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 5000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 4500		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 4000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 3500		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 3000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 2500		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 2000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 1800		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 1500		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 1200		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 1000		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 900		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 800		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 700		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 600		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 500		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 400		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 300		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 200		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 100		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4
IN 0		41.4	42.4	43.4	44.4	45.4	46.4	47.4	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4

TOTAL NUMBER OF OBSERVATIONS 100

CELESTIAL CLIMATOLOGY BRANCH
GRAPH-TAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 73 STATION NAME KOUN-MI RANGE KO

YEARS 66-70, 73-79

MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING		35.4	34.7	35.1	35.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000		47.3	45.6	45.8	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000		47.3	45.6	46.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 16000		44.1	45.6	46.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000		45.6	45.6	45.6	47.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 12000		47.3	51.8	51.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000		55.9	53.8	53.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 9000		57.4	53.8	53.8	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 8000		60.6	67.7	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 7000		62.4	64.5	64.9	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 6000		65.2	67.4	67.9	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 5000		68.3	70.4	71.3	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4500		69.2	71.5	72.2	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4000		72.4	75.7	75.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500		74.3	77.1	77.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3000		77.7	81.5	81.6	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500		77.7	82.4	82.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 2000		82.4	85.7	86.5	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800		82.8	85.7	86.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500		85.7	89.1	91.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1200		87.6	92.1	92.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000		88.6	93.1	93.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900		88.7	93.2	94.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800		88.9	93.4	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700		89.1	93.5	94.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		89.1	93.6	94.4	98.7	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500		89.1	93.7	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		89.1	93.7	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		89.1	93.8	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		89.1	93.8	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		89.1	93.8	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		89.1	93.8	94.6	99.1	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 533

LOCAL CLIMATOLOGY BRANCH
 ETAC
 WEATHER SERVICE/NAO

68-70, 73-75

CEILING VERSUS VISIBILITY

STATION

WSON-V1 KANGAROO

STATION NAME

68-70, 73-75

YEARS

MONTH

ALL
 HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .3	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING		25.0	24.0	23.0	21.1	31.1	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 20000		33.0	36.0	37.0	40.0	43.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 18000		34.0	37.0	38.0	41.2	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 16000		34.1	37.0	38.2	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 14000		35.2	38.7	39.6	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 12000		37.0	41.0	42.0	45.8	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 10000		43.2	46.0	48.0	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 9000		44.1	48.0	49.1	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 8000		45.0	50.0	51.4	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 7000		46.0	52.0	53.7	57.8	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000		49.0	54.0	55.0	59.9	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 5000		51.0	56.0	57.9	62.0	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 4500		52.4	57.0	58.9	63.0	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4000		54.7	60.0	61.4	65.5	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 3500		56.3	61.7	63.1	67.3	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 3000		59.0	65.0	66.8	71.4	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2500		62.0	68.0	70.4	75.0	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000		65.0	72.0	73.7	79.2	79.5	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 1800		66.7	73.0	75.0	80.6	80.9	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500		70.0	75.1	79.7	86.4	86.7	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 1200		73.1	80.7	81.9	89.0	89.5	90.1	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1000		73.0	82.3	84.1	92.2	92.5	93.8	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900		74.1	82.4	84.5	92.8	93.4	94.4	94.3	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 800		74.9	83.0	85.4	94.0	94.5	95.7	96.2	96.4	96.5	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700		75.1	83.8	85.7	94.6	95.2	96.4	96.9	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600		75.4	84.1	86.0	94.9	95.5	96.8	97.4	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500		75.6	84.4	86.5	95.0	96.7	98.1	98.7	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		75.6	84.6	86.6	96.2	96.9	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300		75.6	84.6	86.6	96.2	96.9	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200		75.6	84.6	86.6	96.2	96.9	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100		75.6	84.6	86.6	96.2	96.9	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0		75.6	84.6	86.6	96.2	96.9	98.4	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 2152

JOINT CLIMATOLOGY BRANCH
 COMETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 70 KASHI-NI RANGE RD

STATION NAME 65-70,73-79

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1600-0600
 HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING		29.6	28.1	26.7	24.4	22.6	20.3	18.3	16.7	15.3	14.3	13.3	12.3	11.3	10.3	9.3
≥ 20000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 18000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 16000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 14000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 12000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 10000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 9000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 8000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 7000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 6000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 5000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 4500		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 4000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 3500		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 3000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 2500		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 2000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 1800		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 1500		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 1200		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 1000		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 900		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 800		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 700		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 600		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 500		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 400		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 300		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 200		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 100		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3
≥ 0		29.6	32.4	34.1	34.7	34.2	33.9	32.9	30.7	28.3	25.3	22.3	19.3	16.3	13.3	10.3

TOTAL NUMBER OF OBSERVATIONS 414

U.S. AIR FORCE
 WEATHER SERVICE

CEILING VERSUS VISIBILITY

STATION NAME
 WASH-DC

DATE
 7-13-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

4900-1100
 HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING		33.7	35.4	37.1	40.1	40.2	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000		33.7	43.7	43.6	46.9	47.1	47.4	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000		34.9	43.7	43.8	47.1	47.2	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 16000		35.9	43.7	43.8	47.1	47.2	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 14000		40.3	40.6	45.7	47.2	49.5	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 12000		40.7	40.6	45.7	50.2	52.5	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000		48.2	54.7	54.1	59.7	59.1	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000		49.0	54.7	54.9	59.5	59.8	59.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 8000		51.3	54.7	54.1	64.1	64.4	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 7000		55.2	60.7	61.0	67.7	67.3	67.3	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 6000		55.2	61.4	61.9	67.9	68.2	68.2	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000		57.4	63.7	63.5	70.2	70.3	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4500		57.4	63.7	63.5	70.2	70.3	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000		58.2	64.1	64.4	71.0	71.3	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500		59.0	64.9	65.8	72.3	72.6	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3000		60.4	64.9	69.8	75.5	77.0	77.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2500		64.4	71.2	71.6	76.8	79.2	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000		67.4	74.0	74.9	80.9	83.3	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1800		69.9	75.3	75.6	83.7	84.2	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500		71.3	77.7	74.5	87.4	87.9	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 1200		73.1	81.7	81.6	90.3	90.9	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1000		74.9	87.7	83.3	93.7	94.5	96.0	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900		74.9	87.9	83.4	93.9	94.0	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800		75.0	83.1	82.7	94.2	94.9	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700		75.0	83.3	83.9	94.6	95.4	96.9	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 600		75.5	83.7	84.3	95.1	95.8	97.3	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500		75.3	84.2	84.9	96.1	96.9	98.5	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		75.5	84.2	84.9	96.1	96.9	98.5	99.1	99.1	99.4	99.6	99.6	99.6	99.6	99.7	99.7
≥ 300		75.6	84.3	85.1	96.3	97.0	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.9	100.0
≥ 200		75.6	84.3	85.1	96.3	97.0	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.9	100.0
≥ 100		75.6	84.3	85.1	96.3	97.0	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.9	100.0
≥ 0		75.6	84.3	85.1	96.3	97.0	98.7	99.3	99.3	99.6	99.7	99.7	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 669

ALTIMETER CLIMATOLOGY BRANCH
 AFMSTAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 1403 STATION NAME ROON-VI RANGE KC YEARS 66-72, 73-79 MONTH 12
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS) 1207-1408
 HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING		49.7	41.1	34.1	27.0	22.9	18.9	14.9	10.9	7.9	4.9	2.9	1.9	1.9	1.9	1.9
≥ 20000		49.1	51.1	52.5	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000		49.2	51.7	52.0	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 16000		49.4	51.8	52.8	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 14000		51.5	54.7	55.3	56.7	56.3	55.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000		55.6	59.1	59.4	60.2	60.2	59.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000		60.1	64.1	65.0	66.1	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 9000		62.4	66.4	67.3	68.4	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 8000		64.9	69.7	70.3	71.5	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000		65.9	71.2	72.3	73.5	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 6000		67.6	73.1	74.2	74.5	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 5000		70.9	75.2	76.3	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500		72.9	76.2	76.3	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000		72.6	77.1	76.3	76.3	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500		75.1	79.4	80.7	82.7	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000		76.0	82.8	83.6	85.6	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2500		82.4	87.7	88.4	91.0	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2000		84.7	89.1	91.2	94.3	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1800		85.1	89.9	91.5	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1500		85.9	91.9	92.4	95.5	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200		87.2	92.7	94.3	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 1000		87.3	92.9	94.4	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900		87.6	93.7	94.7	98.7	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800		87.8	93.9	95.1	98.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		87.8	93.7	95.2	98.5	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600		87.9	93.8	95.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500		87.9	93.8	95.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400		87.9	93.8	95.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300		87.9	93.8	95.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200		87.9	93.8	95.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100		87.9	93.8	95.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0		87.9	93.8	95.4	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 646

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING ≥ 20000	41.1	47.3	47.6	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	56.1	58.6	58.3	6.9	61.9	61.9	60.9	60.9	60.1	67.1	60.9	67.9	60.9	60.9	60.9	60.9
IV 16000	56.4	58.3	58.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 14000	56.1	58.7	58.5	62.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 12000	61.2	63.7	64.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	67.4	69.4	70.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 9000	66.7	71.2	71.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
IV 8000	70.3	72.4	73.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 7000	71.5	73.6	74.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
IV 6000	73.4	75.4	76.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 5000	73.6	75.4	75.4	78.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4500	76.5	79.9	79.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 4000	73.4	81.1	82.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3500	80.1	83.7	84.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 3000	83.2	86.1	87.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500	85.4	86.7	87.1	93.3	93.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 2000	87.7	91.7	92.3	96.2	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1800	87.7	91.7	92.3	96.2	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1500	7.6	91.7	92.3	96.6	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1200	88.7	91.9	92.7	97.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 1000	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	89.7	92.2	94.2	98.5	98.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 583

U.S. AIR FORCE
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME
 KODON-01 - DAVE RD

PERIOD
 62-72, 73-79

AGE
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING		31.6	33.1	34.6	36.1	37.6	39.1	40.6	42.1	43.6	45.1	46.6	48.1	49.6	51.1	52.6
≥ 20000		44.2	47.3	49.0	50.7	52.4	54.1	55.8	57.5	59.2	60.9	62.6	64.3	66.0	67.7	69.4
≥ 18000		44.4	47.5	49.2	50.9	52.6	54.3	56.0	57.7	59.4	61.1	62.8	64.5	66.2	67.9	69.6
≥ 16000		44.5	47.6	49.3	51.0	52.7	54.4	56.1	57.8	59.5	61.2	62.9	64.6	66.3	68.0	69.7
≥ 14000		45.2	49.3	51.0	52.7	54.4	56.1	57.8	59.5	61.2	62.9	64.6	66.3	68.0	69.7	71.4
≥ 12000		47.7	52.7	53.5	55.4	56.3	58.2	59.1	61.0	61.9	63.8	64.7	66.6	67.5	69.4	70.3
≥ 10000		54.1	59.1	59.0	62.2	62.6	65.1	65.5	68.0	68.4	70.9	71.3	73.8	74.2	76.7	77.1
≥ 9000		55.4	59.4	62.3	63.5	63.9	66.5	66.9	69.1	69.5	71.7	72.1	74.3	74.7	76.9	77.3
≥ 8000		59.2	62.7	63.3	67.1	67.6	69.3	69.6	71.7	72.1	74.3	74.7	76.9	77.3	79.5	79.9
≥ 7000		61.1	64.5	65.6	69.3	69.8	71.6	71.9	73.7	74.1	76.3	76.7	78.9	79.3	81.5	81.9
≥ 6000		61.1	65.5	66.0	70.3	70.8	71.7	72.1	74.3	74.7	76.9	77.3	79.5	79.9	82.1	82.5
≥ 5000		63.1	67.6	68.7	72.8	73.3	74.1	74.4	76.6	77.0	79.2	79.6	81.8	82.2	84.4	84.8
≥ 4500		63.4	67.8	68.9	73.0	73.5	74.4	74.7	76.9	77.3	79.5	79.9	82.1	82.5	84.7	85.1
≥ 4000		65.3	69.7	70.6	74.7	75.3	76.2	76.5	78.7	79.1	81.3	81.7	83.9	84.3	86.5	86.9
≥ 3500		66.3	71.0	72.6	76.7	77.4	78.2	78.5	80.7	81.1	83.3	83.7	85.9	86.3	88.5	88.9
≥ 3000		69.0	74.5	75.7	80.1	80.7	81.6	81.9	84.1	84.5	86.7	87.1	89.3	89.7	91.9	92.3
≥ 2500		72.5	77.3	78.6	83.4	84.0	84.9	85.2	87.4	87.8	89.9	90.3	92.5	92.9	95.1	95.5
≥ 2000		74.5	80.1	81.6	86.9	87.5	88.5	88.8	90.9	91.3	93.5	93.9	96.1	96.5	98.7	99.1
≥ 1800		75.1	81.1	82.1	87.4	87.9	88.9	89.2	91.3	91.7	93.5	93.9	96.1	96.5	98.7	99.1
≥ 1500		75.6	82.1	83.8	89.7	90.2	91.3	91.6	93.7	94.1	96.1	96.5	98.7	99.1	100.0	100.0
≥ 1200		78.1	84.5	85.7	92.0	92.5	93.5	93.8	95.9	96.3	98.3	98.7	100.0	100.0	100.0	100.0
≥ 1000		79.1	85.5	87.1	93.9	94.6	95.9	96.4	98.5	98.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		79.2	85.5	87.2	94.1	94.8	96.1	96.6	98.7	99.1	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		79.4	85.5	87.8	94.7	95.4	96.9	97.4	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		79.4	85.5	87.9	94.9	95.6	97.2	97.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		79.6	85.6	88.1	95.1	95.8	97.4	97.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		79.7	85.6	88.3	95.5	96.2	97.9	98.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		79.7	85.6	88.3	95.5	96.2	97.9	98.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		79.7	85.6	88.4	95.5	96.2	98.0	98.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		79.7	85.6	88.4	95.5	96.2	98.0	98.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		79.7	85.6	88.4	95.5	96.2	98.0	98.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		79.7	85.6	88.4	95.5	96.2	98.0	98.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2312

U.S. AIR FORCE
CENTRAL CLIMATOLOGY BRANCH
OFFICE
1000 PENTAGON DRIVE, WASH.

CEILING VERSUS VISIBILITY

STATION 3 KJON-MI - ANDERSON 62-71,73-79 YEAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	1.1	34.6	35.5	34.7	33.9	40.4	40.5	40.7	40.2	40.2	40.2	41.1	41.1	41.1	40.4	40.4
≥ 20000	1.1	42.1	43.1	46.6	47.9	58.4	57.9	49.1	45.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IN 18000	26.1	41.1	40.4	47.1	48.4	49.9	49.6	49.1	50.1	50.1	50.4	50.4	50.4	50.4	51.6	52.1
IN 16000	30.1	41.1	42.5	47.1	47.4	48.9	49.6	49.9	50.1	50.1	50.4	50.4	50.4	50.4	51.6	52.1
IN 14000	37.1	43.1	45.4	47.9	50.1	51.4	52.1	52.4	52.6	52.6	52.6	52.6	52.6	52.6	53.1	54.4
IN 12000	38.9	46.1	47.7	51.4	52.6	53.9	54.5	54.6	55.4	55.4	55.4	55.4	55.4	55.4	56.1	57.5
IN 10000	47.1	50.1	52.6	57.1	58.4	59.6	61.3	62.6	61.1	61.7	61.6	61.6	61.6	61.6	63.1	62.6
IN 9000	48.4	52.6	54.6	59.1	60.3	61.6	62.3	62.6	63.1	63.3	63.6	63.6	63.6	63.6	65.1	64.6
IN 8000	48.4	56.4	58.9	63.3	65.1	66.3	67.3	67.3	68.3	68.3	68.6	68.6	68.6	69.1	69.1	70.3
IN 7000	48.4	57.3	59.9	65.3	66.6	67.8	68.8	69.3	69.3	70.1	70.3	70.3	70.3	70.3	71.3	72.3
IN 6000	50.1	59.1	61.6	66.1	67.3	68.6	69.6	70.1	70.6	70.6	70.6	71.1	71.3	71.3	72.6	73.1
IN 5000	52.1	61.1	63.1	67.6	68.8	71.1	72.1	72.6	73.1	73.3	73.6	73.6	73.8	73.8	75.1	75.3
IN 4500	53.9	62.3	64.3	68.8	70.1	72.3	73.3	73.3	74.3	74.3	74.3	74.3	74.3	75.1	75.1	76.3
IN 4000	55.4	64.1	66.1	72.3	73.6	74.8	75.3	76.3	76.3	77.1	77.3	77.3	77.3	77.6	77.6	78.3
IN 3500	55.1	64.1	66.1	72.3	73.6	74.8	75.3	76.3	76.3	77.1	77.3	77.3	77.3	77.6	77.6	78.3
IN 3000	55.4	67.3	70.1	74.6	75.3	77.8	79.3	80.3	81.3	81.3	81.3	81.3	81.3	82.0	82.3	83.3
IN 2500	57.9	69.1	71.3	75.1	76.3	81.3	81.3	82.3	83.3	84.3	84.3	84.3	84.3	85.0	85.3	86.3
IN 2000	60.4	70.1	72.3	80.5	81.3	83.5	84.5	85.1	86.1	86.3	86.3	86.3	86.3	86.5	86.5	88.3
IN 1800	61.1	70.1	72.6	81.0	82.3	84.3	85.3	85.8	86.3	87.3	87.3	87.3	87.3	87.5	87.5	88.3
IN 1500	62.3	71.3	74.1	82.0	84.3	86.3	87.3	87.8	88.3	89.3	89.3	89.3	89.3	89.5	89.5	91.3
IN 1200	62.3	72.3	74.6	83.5	84.3	86.3	87.3	88.3	89.3	89.3	89.3	89.3	89.3	89.5	89.5	91.3
IN 1000	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 900	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 800	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 700	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 600	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 500	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 400	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 300	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 200	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 100	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3
IN 0	63.3	73.1	75.3	84.5	85.3	88.3	89.3	89.3	90.3	90.3	90.3	90.3	90.3	90.5	90.5	92.3

TOTAL NUMBER OF OBSERVATIONS 401

5
 NATIONAL CLIMATOLOGY BRANCH
 AFSC/ETAC
 WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

STATION
 WASH-AVI HANDB K3

60-71, 73-79

FEET
 MOON

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9-11-10
 HOUR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	71.7	4.0	4.0	44.8	44.8	47.7	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 20000	44.7	5.0	5.0	57.8	57.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 18000	40.6	51.7	51.3	53.6	53.6	53.9	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	40.6	51.7	51.4	53.6	53.6	54.1	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14000	49.4	55.7	55.7	54.2	53.2	54.5	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 12000	42.7	59.3	59.7	62.4	62.4	62.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 10000	50.4	63.4	63.3	67.0	67.0	67.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 9000	59.0	66.7	67.1	70.4	70.4	70.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000	61.8	69.7	69.5	73.0	73.0	73.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 7000	62.7	70.1	70.6	74.2	74.2	74.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 6000	63.4	70.9	71.4	75.2	75.2	75.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 5000	65.4	71.0	71.4	77.2	77.2	77.5	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 4500	65.0	71.1	71.6	77.4	77.4	77.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 4000	65.6	71.1	71.6	77.4	77.4	77.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3500	65.6	71.1	71.6	77.4	77.4	77.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 3000	71.4	74.4	74.9	83.8	83.8	84.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 2500	72.5	81.1	81.6	86.7	86.7	86.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	73.2	81.7	82.2	87.9	87.9	88.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1800	73.4	82.7	83.3	88.1	88.1	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1500	74.1	83.8	84.6	89.3	89.3	89.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 700	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 600	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 400	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 300	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 200	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 100	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 0	75.0	85.1	85.9	90.7	90.7	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5

TOTAL NUMBER OF OBSERVATIONS 626

U.S. AIR FORCE
ETAC
METEOROLOGICAL SERVICE, AFM

CEILING VERSUS VISIBILITY

STATION W-41 RANDOLPH STATION NAME

66-70, 72-76 YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1265-1400
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING ≥ 20000	41.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 18000	51.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 16000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 14000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 12000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 10000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 9000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 8000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 7000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 6000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 5000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 4500	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 4000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 3500	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 3000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 2500	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 2000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 1800	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 1500	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 1200	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 1000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 900	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 800	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 700	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 600	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 500	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 400	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 300	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 200	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 100	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2

TOTAL NUMBER OF OBSERVATIONS 632

ALBUQUERQUE CLIMATOLOGY BRANCH
 U.S. AIR FORCE
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 3500A-N1 DATE 7-70 STATION NAME 65-70, 73-79 YEARS 1965-1970 MONTH 1500-1700 HOURS 157

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 556

CEILING VERSUS VISIBILITY
 STATION NAME
 STATION NUMBER

CEILING VERSUS VISIBILITY

STATION NAME STATION NUMBER YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 MONTHS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING		40.5	45.7	46.1	47.6	47.8	47.9	43.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000		51.2	54.3	55.6	57.3	57.5	57.7	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 18000		51.6	54.3	56.3	57.7	57.9	58.1	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 16000		51.9	55.3	56.3	58.5	58.2	58.4	58.7	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
≥ 14000		54.6	58.7	59.1	60.9	61.1	61.4	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000		57.3	62.4	62.8	64.9	65.2	65.3	65.8	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 10000		61.2	65.7	67.2	69.6	69.8	70.1	70.5	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9
≥ 9000		64.4	68.3	69.9	72.4	72.6	72.9	73.4	73.5	73.6	73.7	73.7	73.7	73.7	73.7	73.7
≥ 8000		67.1	72.4	73.3	75.7	76.0	76.4	76.9	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000		68.6	74.2	74.7	77.6	77.8	78.2	78.6	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2
≥ 6000		69.3	74.7	75.3	78.2	78.4	78.9	79.5	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9
≥ 5000		71.1	76.4	77.3	81.1	81.4	81.4	81.4	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 4500		71.7	77.3	77.9	81.8	81.8	81.8	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 4000		74.1	77.8	78.4	83.5	83.7	84.1	84.8	85.7	85.1	85.1	85.2	85.2	85.2	85.2	85.2
≥ 3500		75.3	81.1	81.7	84.8	85.1	85.4	86.0	86.7	86.3	86.4	86.4	86.4	86.5	86.5	86.5
≥ 3000		77.2	83.2	83.9	87.1	87.8	87.8	88.4	88.6	88.7	88.8	88.8	88.9	88.9	88.9	88.9
≥ 2500		78.3	84.6	85.3	88.9	89.2	89.7	90.3	90.5	90.7	90.7	90.8	90.8	90.8	90.8	90.8
≥ 2000		79.0	86.5	87.3	91.1	91.4	92.1	92.6	92.9	93.1	93.2	93.2	93.3	93.3	93.3	93.3
≥ 1800		79.7	86.8	87.4	91.3	91.6	92.2	92.9	93.1	93.3	93.4	93.4	93.5	93.5	93.5	93.5
≥ 1500		80.7	87.7	88.7	92.8	93.1	93.8	94.6	94.8	95.1	95.1	95.2	95.2	95.2	95.2	95.2
≥ 1200		81.5	88.4	89.4	93.6	94.0	94.8	95.6	95.8	96.1	96.1	96.2	96.2	96.2	96.2	96.2
≥ 1000		81.7	88.7	89.9	94.2	94.7	95.6	96.4	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900		81.7	89.1	90.9	94.2	94.7	95.6	96.4	96.6	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800		81.7	89.7	90.2	94.5	94.9	96.0	96.7	97.0	97.3	97.4	97.4	97.5	97.5	97.5	97.5
≥ 700		81.8	89.7	90.2	94.5	94.9	96.0	96.8	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6
≥ 600		81.8	89.7	90.2	94.6	95.0	96.1	96.8	97.1	97.4	97.5	97.6	97.6	97.6	97.6	97.6
≥ 500		81.8	89.7	90.2	94.6	95.1	96.2	97.0	97.4	97.8	97.9	97.9	98.0	98.0	98.0	98.0
≥ 400		81.8	89.7	90.2	94.7	95.1	96.3	97.0	97.4	97.8	97.9	98.0	98.1	98.1	98.1	98.1
≥ 300		81.8	89.7	90.2	94.7	95.1	96.3	97.0	97.5	97.9	98.1	98.2	98.3	98.3	98.3	98.3
≥ 200		81.8	89.7	90.2	94.7	95.1	96.3	97.1	97.5	98.0	98.2	98.2	98.4	98.4	98.4	98.4
≥ 100		81.8	89.7	90.2	94.7	95.2	96.3	97.1	97.6	98.1	98.2	98.3	98.5	98.5	98.5	98.5
0		81.8	89.7	90.2	94.7	95.2	96.4	97.2	97.6	98.1	98.3	98.3	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS 2225

ARMY CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

USE WITH FORM
NO. 1-10-5

CEILING VERSUS VISIBILITY

STATION NO. 73 KCON-NI RANGE KC

STATION NAME

55-73, 73-79

YEARS

601

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

500-6000
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.75	≥0.5	≥0.25	≥0.15	≥0.10	≥0.05	≥0
NO CEILING	42.3	41.4	42.5	54.3	55.0	56.6	57.5	58.7	59.1	59.9	59.5	61.5	60.5	61.1	61.0	
≥ 20000	46.0	53.9	55.2	67.7	61.4	63.2	63.9	64.3	65.7	66.1	66.1	67.0	67.0	67.7	68.4	
≥ 18000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 16000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 14000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 12000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 10000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 9000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 8000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 7000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 6000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 5000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 4500	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 4000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 3500	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 3000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 2500	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 2000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 1800	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 1500	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 1200	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 1000	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 900	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 800	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 700	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 600	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 500	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 400	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 300	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 200	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 100	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	
≥ 0	47.7	54.1	55.5	67.9	61.6	63.4	64.1	64.5	65.9	66.4	66.4	67.3	67.3	68.0	68.6	

TOTAL NUMBER OF OBSERVATIONS 440

CLIMATE DIVISION
 ETAC
 STATE SERVICE AALC

TABLE
 1

CEILING VERSUS VISIBILITY

STATION NO. 13 STATION NAME ACON-NI RANGE MO VISIBILITY 50-70, 75-75 YEARS 100 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

700-1100
 HOURS 151

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING		54.1	54.4	55.2	67.8	71.5	62.3	62.7	62.9	62.9	63.0	63.0	63.7	63.7	63.7	63.3
≥ 20000		55.5	55.4	56.2	66.7	67.5	63.4	63.8	63.8	63.9	64.0	64.1	64.1	64.1	64.2	63.5
≥ 18000		55.4	55.4	56.8	67.3	68.1	64.9	64.4	64.4	64.5	64.7	64.7	64.7	64.7	64.9	64.1
≥ 16000		55.7	55.5	56.1	67.6	68.4	69.2	69.7	69.7	69.8	70.0	70.0	70.0	70.0	70.1	69.4
≥ 14000		56.9	56.1	56.1	69.3	70.8	71.5	71.9	71.9	72.1	72.2	72.2	72.2	72.2	72.4	72.7
≥ 12000		59.6	59.1	59.1	73.1	73.9	74.9	75.3	75.3	75.6	75.8	75.8	75.8	75.8	75.9	76.2
≥ 10000		61.1	60.5	60.5	75.9	76.5	77.6	78.1	78.1	78.3	78.5	78.5	78.5	78.5	78.6	78.9
≥ 9000		61.3	60.4	60.5	76.7	77.4	78.5	78.9	78.9	79.2	79.3	79.3	79.3	79.3	79.5	79.6
≥ 8000		63.7	70.4	71.6	79.3	80.1	81.1	81.6	81.6	81.9	82.0	82.0	82.0	82.0	82.0	82.5
≥ 7000		64.2	71.8	72.2	79.9	80.7	81.7	82.2	82.2	82.5	82.6	82.6	82.6	82.6	82.6	83.1
≥ 6000		65.2	72.1	73.3	81.2	81.7	82.9	83.2	83.2	83.7	83.8	83.8	83.8	83.8	84.0	84.2
≥ 5000		66.2	73.0	74.2	84.0	84.7	85.9	86.5	86.5	86.9	87.1	87.1	87.1	87.1	87.2	87.5
≥ 4500		69.1	75.9	77.1	84.8	85.6	86.8	87.4	87.4	87.8	88.0	88.0	88.0	88.0	88.1	88.4
≥ 4000		70.1	77.0	78.2	85.9	86.6	87.8	88.4	88.4	88.9	89.0	89.0	89.0	89.0	89.2	89.5
≥ 3500		71.5	78.3	79.5	87.2	88.0	89.2	89.7	89.7	90.0	90.3	90.3	90.3	90.3	90.5	90.8
≥ 3000		73.0	80.1	81.3	89.3	90.0	91.2	91.8	91.8	92.3	92.4	92.4	92.4	92.4	92.6	92.9
≥ 2500		73.5	81.0	82.3	91.5	91.2	92.6	93.2	93.2	93.6	93.8	93.8	93.8	93.8	93.9	94.2
≥ 2000		74.3	81.4	82.8	91.9	91.7	93.3	93.7	93.6	94.1	94.2	94.2	94.2	94.2	94.4	94.7
≥ 1800		74.3	81.4	82.8	91.9	91.7	93.3	93.7	93.6	94.1	94.5	94.7	94.7	94.7	94.8	95.1
≥ 1500		74.4	81.6	82.9	91.2	92.3	93.8	94.7	94.9	95.4	95.5	95.5	95.5	95.5	95.7	96.0
≥ 1200		74.4	81.6	82.9	91.2	92.3	93.8	94.7	94.9	95.4	95.5	95.5	95.5	95.5	95.7	96.0
≥ 1000		74.6	81.7	83.1	91.4	92.4	93.9	94.8	95.1	95.7	96.0	96.0	96.0	96.0	96.3	96.6
≥ 900		74.6	81.7	83.1	91.4	92.4	93.9	94.8	95.1	95.7	96.0	96.0	96.0	96.0	96.3	96.6
≥ 800		74.6	81.7	83.1	91.4	92.4	93.9	94.8	95.1	95.7	96.0	96.0	96.0	96.0	96.3	96.6
≥ 700		74.6	81.9	83.2	91.7	92.7	94.2	95.1	95.4	96.0	96.3	96.3	96.3	96.3	96.6	96.9
≥ 600		74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.1	96.4	96.4	96.4	96.4	96.9	97.2
≥ 500		74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.1	96.6	96.7	96.9	96.9	97.2	97.5
≥ 400		74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.1	96.6	96.9	97.0	97.2	97.6	97.9
≥ 300		74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.1	96.7	97.0	97.2	97.3	97.8	98.4
≥ 200		74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.3	96.9	97.2	97.8	98.1	98.8	99.7
≥ 100		74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.3	96.9	97.2	97.8	98.1	98.8	99.9
≥ 0		74.6	81.9	83.2	91.7	92.7	94.4	95.2	95.5	96.3	96.9	97.2	97.8	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 673

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF WEATHER SERVICE/MAC

ONE WITH REPORT
NO. 157-1

CEILING VERSUS VISIBILITY

73
STATION

WON-NI RANGE KO
STATION NAME

63-75, 73-79
YEARS

061
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		51.6	62.7	72.6	64.4	54.4	64.3	64.8	64.4	64.8	64.4	64.8	64.4	64.8	64.3	64.8
≥ 20000		6.4	7.1	7.7	72.6	72.6	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 18000		67.2	71.4	73.5	73.5	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 16000		67.2	71.4	73.7	73.7	74.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 14000		71.5	74.0	76.7	76.7	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 12000		72.2	75.6	77.5	79.6	79.6	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 10000		75.5	79.9	82.8	82.9	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 9000		76.3	81.2	82.1	84.3	84.3	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 8000		72.5	82.9	83.8	85.9	85.9	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 7000		79.7	84.1	85.0	87.1	87.1	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 6000		80.9	85.3	86.2	88.4	88.4	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 5000		82.8	87.1	88.0	90.2	90.2	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 4500		83.7	88.2	89.1	91.2	91.2	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4000		84.6	89.0	90.0	92.1	92.1	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500		85.5	90.0	91.1	93.2	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000		87.3	92.0	92.9	95.0	95.0	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 2500		88.6	93.5	94.4	96.8	96.8	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000		89.3	94.1	95.0	97.4	97.4	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 1800		89.8	94.5	95.5	98.0	98.0	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500		89.7	94.7	95.6	98.2	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200		89.7	94.7	95.6	98.2	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000		90.2	95.3	96.2	98.8	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900		90.2	95.3	96.2	98.8	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800		90.2	95.3	96.2	98.8	98.8	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700		90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		90.2	95.3	96.2	98.8	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 661

U.S. AIR FORCE
CLIMATE DIVISION
100 WEATHER SERVICE/MAJ

USE WITH FORM
51-73-79

CEILING VERSUS VISIBILITY

STATION 73 WAGON-NI RANGE, MO
STATION NAME

51-73-79 YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2000-1/00
HOURS 1-51

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		55.2	61.4	61.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000		67.6	66.6	66.6	66.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 18000		69.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 16000		69.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 14000		72.2	74.5	74.5	74.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 12000		73.7	77.1	77.1	77.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000		78.9	81.2	81.2	81.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 9000		79.9	82.2	82.2	82.2	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 8000		82.4	84.7	84.7	84.7	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 7000		84.2	86.4	86.4	86.4	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 6000		84.3	86.5	86.5	86.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 5000		85.2	87.5	87.5	87.5	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4500		85.7	88.4	88.4	88.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 4000		87.9	90.7	90.7	90.7	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3500		89.3	92.1	92.1	92.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3000		91.9	95.2	95.2	95.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2500		93.3	96.5	96.5	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000		94.2	97.7	97.7	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800		94.2	97.7	97.7	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500		94.4	97.9	97.9	97.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200		94.4	97.9	97.9	97.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		94.7	98.2	98.2	98.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 251

JOINT CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION AFON-MI PAVSE KC
STATION NAME

66-70,73-79
YEARS

ALL
MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	57.2	55.1	47.4	41.7	31.1	21.7	12.7	6.3	2.7	1.3	0.4	0.2	0.1	0.1	0.1	0.1
≥ 20000	59.7	61.1	54.3	47.0	35.3	25.7	16.3	8.4	3.7	1.8	0.7	0.3	0.1	0.1	0.1	0.1
≥ 18000	61.1	62.5	55.1	47.8	36.2	26.6	17.0	8.7	4.0	1.9	0.8	0.4	0.2	0.1	0.1	0.1
≥ 16000	62.5	63.9	56.3	49.0	37.5	27.9	18.3	9.0	4.3	2.0	0.9	0.5	0.2	0.1	0.1	0.1
≥ 14000	63.9	65.3	57.7	50.4	38.9	29.2	19.6	9.3	4.6	2.1	1.0	0.6	0.3	0.1	0.1	0.1
≥ 12000	65.3	66.7	59.1	51.8	40.2	30.5	20.9	9.6	4.9	2.2	1.1	0.7	0.4	0.2	0.1	0.1
≥ 10000	66.7	68.1	60.5	53.2	41.6	31.8	22.2	9.9	5.2	2.3	1.2	0.8	0.5	0.2	0.1	0.1
≥ 9000	68.1	69.5	61.9	54.6	43.0	33.1	23.5	10.2	5.5	2.4	1.3	0.9	0.6	0.3	0.1	0.1
≥ 8000	69.5	70.9	63.3	56.0	44.4	34.4	24.8	10.5	5.8	2.5	1.4	1.0	0.7	0.4	0.2	0.1
≥ 7000	70.9	72.3	64.7	57.4	45.8	35.7	26.1	10.8	6.1	2.6	1.5	1.1	0.8	0.5	0.2	0.1
≥ 6000	72.3	73.7	66.1	58.8	47.2	37.0	27.4	11.1	6.4	2.7	1.6	1.2	0.9	0.6	0.3	0.1
≥ 5000	73.7	75.1	67.5	60.2	48.6	38.3	28.7	11.4	6.7	2.8	1.7	1.3	1.0	0.7	0.4	0.2
≥ 4500	75.1	76.5	68.9	61.6	49.9	39.6	29.9	11.7	7.0	2.9	1.8	1.4	1.1	0.8	0.5	0.2
≥ 4000	76.5	77.9	70.3	63.0	51.3	40.9	31.2	12.0	7.3	3.0	1.9	1.5	1.2	0.9	0.6	0.3
≥ 3500	77.9	79.3	71.7	64.4	52.7	42.2	32.5	12.3	7.6	3.1	2.0	1.6	1.3	1.0	0.7	0.4
≥ 3000	79.3	80.7	73.1	65.8	54.1	43.5	33.8	12.6	7.9	3.2	2.1	1.7	1.4	1.1	0.8	0.5
≥ 2500	80.7	82.1	74.5	67.2	55.5	44.8	35.1	12.9	8.2	3.3	2.2	1.8	1.5	1.2	0.9	0.6
≥ 2000	82.1	83.5	75.9	68.6	56.9	46.1	36.4	13.2	8.5	3.4	2.3	1.9	1.6	1.3	1.0	0.7
≥ 1800	83.5	84.9	77.3	70.0	58.3	47.4	37.7	13.5	8.8	3.5	2.4	2.0	1.7	1.4	1.1	0.8
≥ 1500	84.9	86.3	78.7	71.4	59.7	48.7	39.0	13.8	9.1	3.6	2.5	2.1	1.8	1.5	1.2	0.9
≥ 1200	86.3	87.7	80.1	72.8	61.1	50.0	40.3	14.1	9.4	3.7	2.6	2.2	1.9	1.6	1.3	1.0
≥ 1000	87.7	89.1	81.5	74.2	62.5	51.3	41.6	14.4	9.7	3.8	2.7	2.3	2.0	1.7	1.4	1.1
≥ 900	89.1	90.5	82.9	75.6	63.9	52.7	42.9	14.7	10.0	3.9	2.8	2.4	2.1	1.8	1.5	1.2
≥ 800	90.5	91.9	84.3	77.0	65.3	54.0	44.2	15.0	10.3	4.0	2.9	2.5	2.2	1.9	1.6	1.3
≥ 700	91.9	93.3	85.7	78.4	66.7	55.4	45.5	15.3	10.6	4.1	3.0	2.6	2.3	2.0	1.7	1.4
≥ 600	93.3	94.7	87.1	79.8	68.1	56.8	46.8	15.6	10.9	4.2	3.1	2.7	2.4	2.1	1.8	1.5
≥ 500	94.7	96.1	88.5	81.2	69.5	58.1	48.1	15.9	11.2	4.3	3.2	2.8	2.5	2.2	1.9	1.6
≥ 400	96.1	97.5	89.9	82.6	70.9	59.5	49.4	16.2	11.5	4.4	3.3	2.9	2.6	2.3	2.0	1.7
≥ 300	97.5	98.9	91.3	84.0	72.3	60.9	50.7	16.5	11.8	4.5	3.4	3.0	2.7	2.4	2.1	1.8
≥ 200	98.9	100.0	92.7	85.4	73.7	62.3	52.1	16.8	12.1	4.6	3.5	3.1	2.8	2.5	2.2	1.9
≥ 100	100.0	100.0	94.1	86.8	75.1	63.7	53.5	17.1	12.4	4.7	3.6	3.2	2.9	2.6	2.3	2.0
≥ 0	100.0	100.0	95.5	88.2	76.5	65.1	54.9	17.4	12.7	4.8	3.7	3.3	3.0	2.7	2.4	2.1

TOTAL NUMBER OF OBSERVATIONS 2342

UNITED STATES AIR FORCE
 AIR FORCE SERVICE JOURNAL

CEILING VERSUS VISIBILITY

STATION WFO-NI HANCE KO

60-71, 73-70

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-7000
 HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING		41.5	45.7	47.5	50.4	51.1	53.7	54.9	55.6	55.6	55.2	55.3	55.3	55.3	56.2	57.4
≥ 20000		43.5	49.3	51.4	53.5	54.2	55.8	56.2	56.9	57.2	58.2	58.4	59.7	59.7	60.1	61.1
≥ 18000		44.4	51.1	51.1	54.2	54.9	57.5	58.7	59.7	59.9	60.1	60.4	60.4	60.4	60.9	61.8
≥ 16000		44.4	51.1	51.8	54.9	55.6	58.2	59.4	60.4	60.6	60.9	61.1	61.1	61.1	61.5	62.5
≥ 14000		46.6	51.1	52.5	55.6	56.6	59.2	60.4	61.3	61.6	61.6	62.1	62.1	62.1	62.5	63.5
≥ 12000		46.6	52.7	53.7	57.0	58.3	60.5	61.8	62.2	63.2	63.2	63.2	63.5	63.5	64.0	64.9
≥ 10000		48.5	54.2	55.1	58.7	59.7	62.5	63.7	64.7	64.9	65.2	65.4	65.4	65.4	65.9	66.9
≥ 9000		48.7	54.2	55.3	59.4	60.5	63.5	64.7	65.6	65.9	66.1	66.3	66.3	66.3	66.8	67.8
≥ 8000		50.6	56.6	57.8	61.6	62.8	65.6	66.3	67.8	68.2	68.3	68.5	68.5	68.5	69.0	69.9
≥ 7000		51.9	58.6	59.9	63.0	64.2	67.1	68.3	69.2	69.5	69.7	69.9	69.9	69.9	70.4	71.4
≥ 6000		52.3	59.5	59.4	63.5	64.7	67.8	69.0	69.9	70.2	70.4	70.6	70.6	70.6	71.1	72.1
≥ 5000		54.9	61.1	62.1	67.1	68.3	71.4	72.6	73.5	74.1	74.2	74.5	74.5	74.5	74.9	75.9
≥ 4500		55.2	62.1	63.3	68.0	69.2	72.3	73.5	74.5	74.9	75.2	75.4	75.4	75.4	75.9	76.8
≥ 4000		57.9	64.2	65.4	70.6	71.3	75.2	76.6	77.6	78.1	78.3	78.5	78.8	78.8	79.2	80.2
≥ 3500		59.4	66.1	67.3	72.8	74.3	77.3	78.3	79.7	80.7	81.1	81.4	81.6	81.6	82.1	83.1
≥ 3000		61.3	69.7	70.9	77.6	78.8	82.3	83.8	84.7	85.7	86.2	86.4	86.6	86.6	87.1	88.1
≥ 2500		64.4	71.1	73.2	80.4	81.6	85.2	86.9	87.8	88.8	89.3	89.5	89.7	89.7	90.2	91.2
≥ 2000		66.1	73.7	75.4	82.8	84.0	87.6	89.3	90.2	91.2	91.6	91.9	92.4	92.4	92.8	93.8
≥ 1800		66.1	73.7	75.4	83.8	84.7	87.6	89.3	90.2	91.2	91.6	91.9	92.4	92.4	92.8	93.8
≥ 1500		66.3	74.1	75.7	83.3	84.5	88.1	89.7	90.7	91.6	92.1	92.4	92.8	92.8	93.3	94.3
≥ 1200		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.6	94.6
≥ 1000		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
≥ 900		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
≥ 800		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
≥ 700		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
≥ 600		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	93.8	94.7
≥ 500		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	91.9	92.4	92.6	93.1	93.1	94.1	95.1
≥ 400		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.3	93.3	94.3	95.2
≥ 300		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.6	93.6	94.5	95.7
≥ 200		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.6	93.6	94.5	97.1
≥ 100		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.6	93.6	94.5	99.0
≥ 0		66.6	74.1	75.9	83.5	84.7	88.3	90.0	90.9	92.1	92.6	92.8	93.6	93.6	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 416

USAF CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 66-70, 73-72
STATION NAME KRON-NI RANGE MO

YEARS 66-70, 73-72

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

66-70-73-72
HOURS 151

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .005	≥ .001
NO CEILING ≥ 20000	43.0	51.5	52.5	55.7	56.3	56.4	57.6	58.0	58.2	58.3	59.3	59.5	59.5	59.8	59.8	59.5
≥ 18000	42.2	54.1	56.0	61.5	61.1	61.7	62.9	63.5	63.8	64.1	64.4	64.7	64.7	64.7	64.9	65.8
≥ 16000	42.8	55.4	58.6	61.1	61.7	62.3	63.5	64.1	64.4	64.6	64.9	65.2	65.2	65.3	65.3	66.3
≥ 14000	51.4	57.1	59.3	62.7	63.5	64.1	65.3	66.1	66.3	66.4	66.6	66.6	66.6	66.7	66.7	67.6
≥ 12000	51.3	57.0	59.1	62.7	64.0	65.3	66.9	67.5	67.3	67.5	68.1	68.1	68.1	68.2	68.2	69.2
≥ 10000	52.1	59.0	61.2	65.8	66.9	67.8	69.3	70.2	70.5	70.7	70.8	70.8	70.8	71.1	71.0	71.9
≥ 9000	52.1	61.4	61.4	66.3	67.6	68.5	70.1	71.1	71.3	71.5	71.6	71.6	71.6	71.6	71.8	72.7
≥ 8000	54.3	61.7	63.1	67.4	69.8	70.7	72.2	73.1	73.4	73.6	73.7	73.7	73.7	73.9	73.9	74.3
≥ 7000	56.5	62.0	64.9	70.2	71.0	72.7	74.5	75.6	75.9	76.1	76.2	76.2	76.2	76.3	76.3	77.1
≥ 6000	57.3	64.5	65.6	71.0	72.4	73.4	75.3	76.3	76.6	76.8	76.9	76.9	76.9	77.1	77.1	78.1
≥ 5000	56.3	66.4	67.6	74.0	75.4	76.6	78.5	79.5	79.8	80.1	80.2	80.2	80.3	80.3	80.3	81.2
≥ 4500	59.1	66.7	68.1	74.4	75.7	76.9	78.8	79.8	80.1	80.3	80.5	80.5	80.6	80.6	80.6	81.5
≥ 4000	61.4	70.7	71.0	76.2	77.5	78.9	82.7	83.8	84.1	84.3	84.4	84.4	84.6	84.6	84.6	85.8
≥ 3500	63.5	71.1	73.1	78.5	79.8	80.7	84.6	85.6	86.1	86.1	86.3	86.3	86.4	86.4	86.4	87.3
≥ 3000	65.1	74.5	76.1	83.2	84.7	85.1	88.1	89.2	89.5	89.8	89.9	89.9	90.1	90.1	90.1	91.0
≥ 2500	65.1	75.5	76.3	85.5	87.1	88.5	93.5	91.6	91.9	92.2	92.4	92.4	92.5	92.5	92.5	93.4
≥ 2000	65.9	77.7	79.4	86.7	88.2	89.6	91.8	92.8	93.3	93.6	93.7	93.7	93.9	93.9	93.9	94.8
≥ 1800	68.9	77.7	79.4	86.7	88.2	89.6	91.8	92.8	93.3	93.6	93.7	93.7	93.9	93.9	93.9	94.8
≥ 1500	68.9	77.7	79.4	86.7	88.2	89.6	91.8	92.8	93.3	93.6	93.7	93.7	93.9	93.9	93.9	94.8
≥ 1200	69.1	78.1	79.3	87.6	89.2	90.7	92.7	93.7	94.2	94.7	94.8	94.8	95.1	95.1	95.1	95.9
≥ 1000	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 900	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 800	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 700	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 600	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 500	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 400	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 300	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 200	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 100	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2
≥ 0	69.2	78.4	80.0	87.8	89.3	90.8	92.8	93.9	94.5	95.1	95.1	95.1	95.3	95.3	95.3	96.2

TOTAL NUMBER OF OBSERVATIONS 655

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12.0-14.0
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.7	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ 0
NO CEILING	54.3	57.5	57.3	61.1	60.3	60.7	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3
≥ 20000	57.4	61.0	61.2	67.1	65.6	65.7	66.0	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7
≥ 18000	57.2	61.0	62.1	65.2	66.7	66.8	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.9	67.9
≥ 16000	56.8	60.4	62.6	66.8	67.3	67.6	68.1	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.7	68.7
≥ 14000	61.3	63.4	63.5	67.9	68.4	68.6	69.2	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.8	69.8
≥ 12000	61.3	64.5	65.3	69.8	71.4	71.7	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	72.0	72.0
≥ 10000	62.6	66.1	66.3	71.4	72.3	72.4	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.9	73.9
≥ 9000	63.1	66.7	67.0	72.0	72.6	73.4	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.5	74.5
≥ 8000	65.1	68.7	69.0	74.0	74.8	75.6	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7
≥ 7000	66.7	70.4	70.7	75.9	76.5	77.5	77.9	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.6
≥ 6000	66.4	72.1	72.5	77.6	78.2	79.2	79.7	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3
≥ 5000	67.2	72.1	73.4	78.5	80.1	81.1	81.5	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2
≥ 4500	72.3	73.9	74.3	80.4	81.1	82.0	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1
≥ 4000	73.2	77.2	77.3	84.2	85.0	85.9	86.4	86.7	86.9	86.9	86.9	86.9	86.9	86.9	87.1	87.1
≥ 3500	75.1	78.1	78.5	85.9	86.7	87.6	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7
≥ 3000	74.4	87.7	34.4	91.6	92.5	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.6	93.6
≥ 2500	81.3	85.3	87.2	91.6	94.4	95.3	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4
≥ 2000	81.8	87.2	87.9	94.5	95.5	96.4	96.9	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.5
≥ 1800	82.0	87.3	86.1	94.7	95.6	96.6	97.1	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.7	97.7
≥ 1500	82.2	87.5	84.3	95.3	96.2	97.2	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3
≥ 1200	82.2	87.5	86.3	95.3	96.2	97.2	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3
≥ 1000	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 900	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 800	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 700	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 600	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 500	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 400	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 300	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 200	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 100	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 0	82.2	87.5	86.3	95.3	96.4	97.3	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 639

FEDERAL CLIMATOLOGY BRANCH
WASH DC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WFO-N1 KANDU KC STATION NAME

YEARS 68-70, 73-79

MONTH NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING FEET	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥0
NO CEILING		7.6	52.6	59.9	63.3	63.6	63.6	63.0	63.1	63.1	63.1	63.0	63.0	63.0	63.0	63.0
≥ 20000		62.3	64.0	63.2	63.4	69.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 18000		63.9	69.1	68.9	7.0	72.0	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 16000		65.2	67.5	68.1	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 14000		65.3	67.5	68.2	71.7	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 12000		67.7	69.7	71.3	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 10000		68.2	7.0	71.3	74.9	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 8000		71.1	72.2	73.1	76.7	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 7000		71.1	73.0	74.5	78.3	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 6000		72.4	74.0	75.5	79.2	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 5000		74.7	77.1	78.0	81.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 4500		76.2	78.5	79.4	83.4	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 4000		78.5	80.7	81.6	85.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 3500		81.7	83.0	83.9	88.1	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 3000		84.5	87.4	88.3	92.0	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 2500		87.4	9.0	91.2	96.2	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000		87.5	91.4	91.3	96.4	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1800		87.5	91.4	91.3	96.4	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1500		87.7	91.6	91.7	96.8	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200		88.1	91.8	92.1	97.1	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 1000		88.3	91.7	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 800		88.5	91.7	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 600		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 500		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 400		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 300		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 200		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 100		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 0		88.5	91.8	92.2	97.3	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 154

U.S. AIR FORCE CLIMATOLOGY BRANCH
 1. STATION
 2. SERVICE / ZNAC

CEILING VERSUS VISIBILITY

3. STATION NAME: WOOD-NI RANGE KO
 4. YEARS: 66-77, 73-74
 5. MONTH: ALL
 6. HOURS: ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥.75	≥.5	≥.25	≥.16	≥.1	≥.05	≥.01
NO CEILING ≥ 20000	51.7	54.1	54.7	57.6	58.1	58.4	59.3	59.4	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9
IV 18000	54.1	56.5	56.7	60.4	60.9	63.7	64.4	64.4	65.1	65.4	65.7	65.9	65.9	65.9	66.1	66.5
IV 16000	55.1	57.5	60.5	63.9	64.4	65.3	65.9	66.4	66.6	66.7	66.7	66.7	66.8	66.8	66.9	67.4
IV 14000	56.1	60.3	61.1	65.0	65.6	66.5	67.1	67.6	67.8	67.8	67.8	67.9	67.9	68.0	68.1	68.5
IV 12000	56.3	61.1	62.1	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 10000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 9000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 8000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 7000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 6000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 5000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 4500	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 4000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 3500	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 3000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 2500	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 2000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 1800	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 1500	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 1200	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 1000	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 900	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 800	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 700	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 600	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 500	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 400	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 300	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 200	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 100	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1
IV 0	56.5	61.1	64.3	66.1	66.9	67.3	68.5	68.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1

TOTAL NUMBER OF OBSERVATIONS 2267

AL CLIMATOLOGY PANCH
VOLTAO
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 72 KFOR-VI RANGE 70 68-70, 73-79 YEARS DEC 1950

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

68-70, 73-79
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	25.2	31.4	36.9	41.2	45.2	48.2	51.5	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 20000	1.3	3.7	7.9	49.2	11.3	54.8	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 18000	12.3	27.7	76.9	49.2	51.3	54.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
IV 16000	12.0	35.1	41.2	47.5	51.5	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 14000	31.5	32.7	41.2	49.5	51.5	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 12000	32.0	31.7	41.2	51.0	52.0	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 10000	33.2	32.1	41.2	51.5	53.5	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 9000	33.2	34.1	41.2	51.5	53.5	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 8000	34.8	41.7	43.7	54.3	56.3	60.1	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 7000	35.1	41.7	43.7	54.3	56.3	60.1	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 6000	35.2	41.7	47.9	54.3	57.3	61.1	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 5000	37.4	41.7	47.5	57.3	61.4	65.4	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 4500	38.5	46.7	49.0	61.1	65.1	67.2	67.9	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 4000	41.4	51.0	53.0	65.7	67.7	72.0	72.7	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	44.7	54.0	55.3	69.4	71.5	75.8	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	49.5	54.7	51.0	76.0	78.3	83.1	83.2	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 2500	52.2	62.4	65.4	81.3	82.6	87.4	88.6	89.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2000	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1000	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 900	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 800	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 700	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 600	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 400	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 300	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 200	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 100	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 0	54.1	64.6	68.3	87.1	85.4	90.7	91.9	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9

TOTAL NUMBER OF OBSERVATIONS 306

LOCAL CLIMATOLOGY BRANCH
ETAC
DATA SERVICE/MAF

CEILING VERSUS VISIBILITY

STATION 73 WICH-NI RANGE RD
STATION NAME

54-70, 73-79

WARS

MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1953-1954
HOURS 151

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING ≥ 20000		31.9	41.7	43.1	44.0	44.5	45.1	46.2	46.8	47.4	48.4	49.4	50.4	51.4	52.4	53.4
≥ 18000		32.8	43.3	45.3	46.6	47.2	47.7	48.4	49.4	50.4	51.4	52.4	53.4	54.4	55.4	56.4
≥ 16000		32.8	43.3	46.3	48.9	49.5	50.5	51.7	52.8	53.9	54.9	55.9	56.9	57.9	58.9	59.9
≥ 14000		33.9	44.1	46.1	49.1	49.7	50.8	51.9	52.9	53.9	54.9	55.9	56.9	57.9	58.9	59.9
≥ 12000		33.9	44.7	46.6	49.6	50.6	51.7	52.8	53.9	54.9	55.9	56.9	57.9	58.9	59.9	60.9
≥ 10000		33.9	45.5	47.6	51.1	51.7	52.8	53.9	54.9	55.9	56.9	57.9	58.9	59.9	60.9	61.9
≥ 9000		34.3	46.0	48.0	51.6	52.2	53.5	54.6	55.6	56.6	57.6	58.6	59.6	60.6	61.6	62.6
≥ 8000		35.7	47.1	49.9	53.5	54.3	55.5	56.6	57.6	58.6	59.6	60.6	61.6	62.6	63.6	64.6
≥ 7000		36.7	49.1	51.2	54.9	55.7	56.9	58.0	59.1	60.2	61.2	62.2	63.2	64.2	65.2	66.2
≥ 6000		37.6	50.7	52.8	56.6	57.6	58.8	59.9	60.9	61.9	62.9	63.9	64.9	65.9	66.9	67.9
≥ 5000		39.7	53.2	55.3	59.6	60.6	61.7	62.8	63.9	64.9	65.9	66.9	67.9	68.9	69.9	70.9
≥ 4500		40.6	54.2	56.3	60.9	61.7	62.9	64.0	65.0	66.0	67.0	68.0	69.0	70.0	71.0	72.0
≥ 4000		43.7	57.2	59.5	64.2	65.0	66.2	67.3	68.3	69.3	70.3	71.3	72.3	73.3	74.3	75.3
≥ 3500		45.5	61.3	62.5	67.7	68.7	69.8	70.9	71.9	72.9	73.9	74.9	75.9	76.9	77.9	78.9
≥ 3000		48.3	63.7	66.1	72.7	73.5	74.7	75.9	76.9	77.9	78.9	79.9	80.9	81.9	82.9	83.9
≥ 2500		50.1	66.3	68.8	76.3	77.2	78.3	79.3	80.3	81.3	82.3	83.3	84.3	85.3	86.3	87.3
≥ 2000		51.5	68.7	71.5	80.6	81.9	82.9	83.9	84.9	85.9	86.9	87.9	88.9	89.9	90.9	91.9
≥ 1800		51.5	69.7	71.5	82.8	83.8	84.8	85.8	86.8	87.8	88.8	89.8	90.8	91.8	92.8	93.8
≥ 1500		51.5	69.7	71.5	83.2	84.2	85.2	86.2	87.2	88.2	89.2	90.2	91.2	92.2	93.2	94.2
≥ 1200		51.7	69.7	71.5	84.4	85.4	86.4	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4
≥ 1000		51.7	69.7	71.5	85.0	86.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0
≥ 900		51.7	69.7	71.5	85.6	86.6	87.6	88.6	89.6	90.6	91.6	92.6	93.6	94.6	95.6	96.6
≥ 800		51.7	69.7	71.5	86.2	87.2	88.2	89.2	90.2	91.2	92.2	93.2	94.2	95.2	96.2	97.2
≥ 700		51.7	69.7	71.5	86.8	87.8	88.8	89.8	90.8	91.8	92.8	93.8	94.8	95.8	96.8	97.8
≥ 600		51.7	69.7	71.5	87.4	88.4	89.4	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4
≥ 500		51.7	69.7	71.5	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0
≥ 400		51.7	69.7	71.5	88.6	89.6	90.6	91.6	92.6	93.6	94.6	95.6	96.6	97.6	98.6	99.6
≥ 300		51.7	69.7	71.5	89.2	90.2	91.2	92.2	93.2	94.2	95.2	96.2	97.2	98.2	99.2	100.0
≥ 200		51.7	69.7	71.5	89.8	90.8	91.8	92.8	93.8	94.8	95.8	96.8	97.8	98.8	99.8	100.0
≥ 100		51.7	69.7	71.5	90.4	91.4	92.4	93.4	94.4	95.4	96.4	97.4	98.4	99.4	100.0	100.0
≥ 0		51.7	69.7	71.5	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 635

JOINT CLIMATOLOGY BRANCH
USAF ETAC
3 - 4040 1/2 SERVICE/MAC

STATION
SLEIGHT

CEILING VERSUS VISIBILITY

STATION
3

3-4040-1/2 RANGE 40

STATION NAME

67-73, 73-79

YEARS

MONTH
12

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING		43.2	57.7	64.1	58.2	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 20000		47.4	51.7	50.4	65.2	65.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 18000		47.4	51.7	59.9	66.7	67.2	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 16000		47.4	51.7	61.1	66.9	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IV 14000		47.4	51.7	61.1	67.7	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 12000		47.4	51.7	61.1	68.6	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 10000		49.9	61.1	62.3	69.1	69.6	69.9	69.9	69.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 9000		49.9	61.1	62.3	69.6	70.1	70.5	70.5	70.5	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 8000		51.1	62.3	64.3	71.3	71.6	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 7000		51.1	62.3	64.3	72.3	72.8	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 6000		52.3	64.3	66.9	73.9	74.4	74.7	74.7	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 5000		54.5	67.7	69.1	76.4	76.9	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500		55.9	69.6	70.9	77.2	77.8	78.1	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3
IV 4000		57.2	70.1	73.3	81.9	81.8	81.8	81.8	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3500		58.6	75.4	78.7	84.9	85.4	85.7	85.7	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 3000		62.0	77.3	78.6	87.3	87.8	88.3	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 2500		63.5	79.6	81.2	90.2	90.3	91.7	91.9	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 2000		65.2	81.7	83.2	92.9	93.7	94.7	94.9	94.9	95.4	95.4	95.4	95.6	95.6	95.6	95.6
IV 1800		65.2	81.7	83.2	92.9	93.7	94.9	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1500		65.2	83.7	84.2	94.4	95.2	96.4	96.6	96.6	97.1	97.1	97.1	97.3	97.3	97.3	97.3
IV 1200		65.2	83.7	84.2	94.4	95.2	96.4	96.6	96.6	97.3	97.3	97.3	97.5	97.5	97.5	97.5
IV 1000		65.2	83.7	84.4	94.6	95.4	96.6	96.9	96.9	98.1	98.1	98.1	98.3	98.3	98.3	98.3
IV 900		65.2	83.7	84.7	94.9	95.8	96.9	97.3	97.3	98.5	98.5	98.5	98.6	98.6	98.6	98.6
IV 800		65.2	83.7	84.7	95.1	95.9	97.3	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 700		65.2	83.7	84.7	95.1	95.9	97.3	97.6	97.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 600		65.2	83.7	84.7	95.1	95.9	97.3	97.8	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 500		65.2	83.7	84.7	95.1	95.9	97.3	97.8	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 400		65.2	83.7	84.7	95.1	95.9	97.3	97.8	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 300		65.2	83.7	84.7	95.1	95.9	97.3	97.8	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 200		65.2	83.7	84.7	95.1	95.9	97.3	97.8	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 100		65.2	83.7	84.7	95.1	95.9	97.3	97.8	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3
IV 0		65.2	83.7	84.7	95.1	95.9	97.3	97.8	97.8	99.1	99.1	99.1	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 589

U.S. AIR FORCE
 AIRCRAFT
 SERVICE

USE WITH CAUTION
 SEE FIRST PAGE

CEILING VERSUS VISIBILITY

STATION

WICHITA-NE BRIDGE RD

STATION NAME

65-77, 75-79

YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1970-1971
 HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING ≥ 20000	52.7	55.4	55.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 18000	53.2	56.5	56.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 16000	53.8	57.4	57.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 14000	54.3	58.4	58.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	54.8	59.4	59.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 10000	55.3	60.4	60.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 9000	55.8	61.4	61.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	56.3	62.4	62.4	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 7000	56.8	63.4	63.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	57.3	64.4	64.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 5000	57.8	65.4	65.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 4500	58.3	66.4	66.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 4000	58.8	67.4	67.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3500	59.3	68.4	68.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	59.8	69.4	69.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2500	60.3	70.4	70.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 2000	60.8	71.4	71.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 1800	61.3	72.4	72.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 1500	61.8	73.4	73.4	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 1200	62.3	74.4	74.4	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1000	62.8	75.4	75.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 900	63.3	76.4	76.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 800	63.8	77.4	77.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 700	64.3	78.4	78.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 600	64.8	79.4	79.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 500	65.3	80.4	80.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 400	65.8	81.4	81.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 300	66.3	82.4	82.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 200	66.8	83.4	83.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 100	67.3	84.4	84.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 0	67.8	85.4	85.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE / MAC

DATE
SEALED

CEILING VERSUS VISIBILITY

4-773
STATION

WAGON-VI RANGE KO
STATION NAME

63-70, 73-79
YEARS

DLC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	39.3	46.5	47.7	34.6	35.3	56.2	56.6	56.6	56.7	56.7	56.7	56.7	56.9	56.9	56.9	57.0
≥ 20000	42.5	51.1	52.5	60.7	61.4	62.5	62.7	62.9	62.9	63.1	63.1	63.1	63.3	63.3	63.3	63.3
≥ 18000	42.9	51.5	52.9	61.2	61.9	63.0	63.4	63.4	63.6	63.6	63.6	63.6	63.8	63.8	63.8	63.9
≥ 16000	43.1	51.7	53.3	61.5	62.2	63.3	63.7	63.7	63.9	64.0	64.0	64.0	64.1	64.1	64.1	64.2
≥ 14000	43.4	52.0	53.5	61.9	62.6	63.7	64.2	64.2	64.3	64.4	64.4	64.4	64.6	64.6	64.6	64.7
≥ 12000	44.0	52.7	54.2	62.8	63.5	64.6	65.0	65.1	65.2	65.3	65.3	65.3	65.5	65.5	65.5	65.6
≥ 10000	44.6	53.0	54.2	64.0	64.7	65.8	66.3	66.3	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.8
≥ 9000	45.2	54.2	55.5	64.4	65.1	66.2	66.7	66.7	66.8	66.9	66.9	66.9	67.1	67.1	67.1	67.2
≥ 8000	46.3	55.6	57.1	66.1	66.8	68.0	68.4	68.5	68.7	68.8	68.8	68.8	68.9	68.9	68.9	69.0
≥ 7000	46.4	56.5	57.8	66.9	67.6	68.8	69.2	69.3	69.5	69.6	69.6	69.6	69.7	69.7	69.8	69.8
≥ 6000	47.8	57.8	59.2	68.3	69.1	70.3	70.4	70.6	71.0	71.1	71.1	71.1	71.2	71.2	71.3	71.3
≥ 5000	49.5	60.2	61.6	71.1	71.8	73.1	73.5	73.6	73.8	73.9	73.9	73.9	74.3	74.3	74.3	74.4
≥ 4500	50.7	61.4	62.8	72.4	73.2	74.4	74.9	74.9	75.1	75.2	75.2	75.2	75.3	75.3	75.4	75.4
≥ 4000	53.6	64.9	66.4	75.3	77.0	78.3	78.6	78.8	79.1	79.2	79.2	79.2	79.3	79.3	79.4	79.5
≥ 3500	55.2	67.8	69.3	79.7	80.5	81.8	82.5	82.5	82.8	82.9	82.9	82.9	83.2	83.2	83.7	83.8
≥ 3000	59.5	71.5	72.7	84.3	85.1	86.8	87.5	87.5	87.9	88.1	88.1	88.1	88.3	88.3	88.4	88.5
≥ 2500	61.4	74.0	75.7	87.5	88.4	90.3	91.1	91.2	91.6	91.8	91.8	91.8	92.3	92.3	92.7	92.8
≥ 2000	62.3	75.1	78.3	90.3	91.4	93.5	94.3	94.5	95.0	95.0	95.0	95.0	95.2	95.5	95.6	95.6
≥ 1800	63.0	76.1	78.1	90.5	91.5	93.7	94.5	94.7	95.2	95.4	95.4	95.4	95.7	95.7	95.8	95.8
≥ 1500	63.4	76.7	78.6	91.4	92.6	95.0	95.8	95.9	96.5	96.7	96.7	96.7	96.7	97.1	97.1	97.2
≥ 1200	63.6	76.9	79.0	91.6	92.8	95.3	96.2	96.3	96.9	97.1	97.1	97.1	97.5	97.5	97.6	97.6
≥ 1000	63.7	77.1	79.2	91.9	93.1	95.7	96.6	96.7	97.5	97.8	97.8	97.8	98.0	98.2	98.3	98.4
≥ 900	63.8	77.2	79.3	92.0	93.2	95.8	96.7	96.8	97.6	97.9	98.0	98.0	98.3	98.3	98.4	98.5
≥ 800	63.9	77.3	79.3	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.2	98.2	98.7	98.7	98.9	98.9
≥ 700	63.9	77.3	79.3	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.2	98.2	98.7	98.7	98.9	98.9
≥ 600	63.9	77.3	79.3	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.2	98.2	98.7	98.7	98.9	98.9
≥ 500	63.9	77.3	79.3	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.2	98.2	98.7	98.7	98.9	98.9
≥ 400	63.9	77.3	79.3	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.2	98.2	98.7	98.7	98.9	98.9
≥ 300	63.9	77.3	79.3	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.2	98.2	98.7	98.7	98.9	98.9
≥ 200	63.9	77.3	79.3	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.2	98.2	98.7	98.7	98.9	98.9
≥ 100	63.9	77.3	79.3	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.2	98.2	98.7	98.7	98.9	98.9
≥ 0	63.9	77.3	79.3	92.1	93.3	95.9	96.9	97.1	97.8	98.1	98.2	98.2	98.7	98.7	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 112

LOCAL ULTIMATELY GRANTED
 ULTIMATE
 AERIAL SERVICE/ALAC

CEILING VERSUS VISIBILITY

4-73
 STATION

MOON-VI 7475 KC
 STATION NAME

6-70, 73-60
 YEARS

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
 HOURS 1-24

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING		43.3	47.1	48.8	51.9	52.2	52.5	52.8	52.9	53.	53.	53.1	53.1	53.1	53.1	53.1
≥ 20000		50.3	55.1	58.6	60.3	60.6	61.0	61.3	61.4	61.5	61.6	61.6	61.7	61.7	61.8	61.9
≥ 18000		50.7	56.4	57.2	61.0	61.3	61.7	62.0	62.1	62.2	62.3	62.3	62.4	62.4	62.5	62.5
≥ 16000		50.9	56.6	57.5	61.2	61.5	61.9	62.3	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.8
≥ 14000		52.1	57.9	58.8	62.6	62.9	63.4	63.7	63.8	63.9	64.1	64.1	64.1	64.1	64.2	64.3
≥ 12000		53.2	59.3	60.8	64.8	65.1	65.6	65.9	66.0	66.2	66.3	66.3	66.4	66.4	66.4	66.5
≥ 10000		56.3	62.4	63.9	66.1	66.5	69.0	69.4	69.5	69.6	69.7	69.7	69.8	69.8	69.9	70.0
≥ 9000		57.2	63.3	64.9	69.2	69.6	70.1	70.5	70.6	70.7	70.8	70.8	70.9	70.9	71.0	71.1
≥ 8000		59.1	66.0	67.1	71.7	72.1	72.6	73.0	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.6
≥ 7000		62.6	67.3	68.5	73.2	73.6	74.2	74.6	74.8	74.9	75.1	75.1	75.1	75.1	75.2	75.3
≥ 6000		61.1	68.3	69.4	74.2	74.6	75.2	75.6	75.7	75.9	76.1	76.1	76.1	76.1	76.2	76.2
≥ 5000		62.6	71.1	71.3	76.2	76.6	77.2	77.7	77.9	78.0	78.0	78.1	78.1	78.1	78.2	78.3
≥ 4500		63.1	71.1	71.9	76.9	77.3	77.9	78.3	78.5	78.7	78.7	78.8	78.8	78.8	78.9	79.0
≥ 4000		65.3	72.6	74.1	79.2	79.7	80.3	80.8	81.1	81.2	81.2	81.2	81.3	81.3	81.4	81.5
≥ 3500		66.4	74.4	75.7	81.1	81.5	82.2	82.7	82.9	83.1	83.1	83.2	83.3	83.3	83.3	83.4
≥ 3000		68.8	77.1	78.6	84.4	84.8	85.7	86.2	86.3	86.6	86.6	86.7	86.8	86.8	86.9	87.0
≥ 2500		70.4	79.1	80.6	86.7	87.2	88.1	88.6	88.8	89.1	89.1	89.2	89.2	89.3	89.3	89.4
≥ 2000		71.7	80.7	82.3	89.9	89.5	90.5	91.1	91.3	91.6	91.7	91.8	91.9	91.9	92.0	92.1
≥ 1800		71.9	81.1	82.6	89.2	89.8	90.3	91.4	91.7	92.1	92.1	92.1	92.2	92.2	92.3	92.4
≥ 1500		72.3	82.1	83.3	90.8	91.5	92.7	93.3	93.6	93.9	94.1	94.1	94.2	94.2	94.3	94.4
≥ 1200		73.4	82.8	84.6	91.8	92.5	93.7	94.4	94.5	95.0	95.1	95.1	95.2	95.3	95.3	95.5
≥ 1000		73.9	83.1	85.3	92.9	93.5	94.9	95.6	95.9	96.3	96.5	96.6	96.7	96.7	96.8	96.9
≥ 900		74.0	83.4	85.5	92.9	93.7	95.0	95.3	96.1	96.5	96.7	96.8	96.9	96.9	97.0	97.2
≥ 800		74.1	83.5	85.7	93.2	94.2	95.4	96.2	96.5	97.1	97.1	97.2	97.4	97.4	97.5	97.6
≥ 700		74.2	84.0	85.8	93.5	94.3	95.7	96.5	96.8	97.2	97.4	97.5	97.7	97.7	97.8	97.9
≥ 600		74.3	84.1	86.0	93.7	94.5	95.9	96.8	97.1	97.5	97.7	97.8	98.0	98.0	98.1	98.2
≥ 500		74.4	84.2	86.2	93.9	94.8	96.3	97.1	97.5	97.9	98.2	98.2	98.4	98.5	98.6	98.8
≥ 400		74.5	84.3	86.2	94.0	94.8	96.4	97.3	97.7	98.1	98.4	98.5	98.7	98.7	98.9	99.1
≥ 300		74.5	84.3	86.2	94.0	94.9	96.5	97.4	97.8	98.2	98.5	98.6	98.9	98.9	99.1	99.4
≥ 200		74.5	84.3	86.2	94.0	94.9	96.5	97.4	97.8	98.2	98.5	98.6	98.9	98.9	99.2	99.7
≥ 100		74.5	84.3	86.2	94.1	94.9	96.5	97.4	97.8	98.3	98.5	98.6	99.0	99.0	99.3	99.5
≥ 0		74.5	84.3	86.2	94.1	94.9	96.5	97.4	97.8	98.3	98.6	98.7	99.0	99.0	99.3	99.5

TOTAL NUMBER OF OBSERVATIONS 26405

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

USE WITH CARE
SEE FIRST PAGE

43273 K00N-NI RANGE KO

73-80

JAN

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02													
	03-05													
	06-08	22.5	10.0			7.5	7.5	5.0		25.0	5.0	17.5	5.3	40
	09-11	19.7	10.6		15.2	4.5	1.5	6.1		9.1	12.1	21.2	5.1	66
	12-14	12.0	22.0		10.0	8.0	8.0	12.0		12.0	4.0	12.0	4.5	50
	15-17	23.5	8.8		11.8	5.9	11.8	8.8		14.7	2.9	11.8	4.4	34
	18-20													
	21-23													
TOTALS		19.4	12.9		9.3	6.5	7.2	8.0		15.2	6.0	15.6	4.8	190

USAFETAC

FORM 0-9-5 (OL A)
JUL 64

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	00-02													
	03-05													
	06-08	7.4	7.4		7.4	11.1	7.4	7.4		7.4	18.5	25.9	6.4	27
	09-11	32.6	16.3		2.3	7.0		11.6		9.3		20.9	4.0	43
	12-14	10.3	7.7		5.1	12.8	5.1	15.4		12.8	10.3	20.5	5.9	39
	15-17	4.2	4.2		4.2	16.7	4.2	4.2		16.7	4.2	41.7	7.2	24
	18-20													
	21-23													

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAR

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02													
	03-05													
	06-08	3.7	11.1		14.8	3.7		7.4		3.7	7.4	48.1	6.9	27
	09-11	16.7	2.4		7.1	14.3		11.9		9.5	7.1	31.0	6.0	42
	12-14	11.4	11.4		4.5	18.2	6.8	6.8		4.5	4.5	31.8	5.7	44
	15-17	12.2	9.8		4.9	4.9	2.4	9.8		12.2	7.3	36.6	6.4	41
	18-20													
	21-23													
TOTALS		11.0	8.7		7.8	10.3	2.3	9.0		7.5	6.6	36.9	6.3	154

SKY COVER

APR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02													
	03-05													
	06-08	10.0			15.0						15.0	60.0	7.8	20
	09-11	19.1	10.6		2.1	4.3	6.4			10.6	17.0	29.8	6.0	47
	12-14	8.1	5.4		5.4	8.1	5.4	5.4		16.2	27.0	18.9	6.8	37
	15-17	5.9	5.9		9.8	2.9		11.8		11.8	14.7	39.2	7.2	34
	18-20													
	21-23													
TOTALS		10.8	5.5		7.8	3.8	3.0	4.3		9.7	18.4	36.7	7.0	138

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

MAY

MONTH _____

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02													
	03-05													
	06-08	38.5				7.7				23.1		30.8	5.2	13
	09-11	18.6	4.7			2.3	9.3			11.6	18.6	34.9	6.7	43
	12-14	18.5	7.4		7.4	1.9	1.9	7.4		5.6	11.1	38.9	6.2	54
	15-17	24.2	12.1		3.0		3.0	6.1		12.1	15.2	24.2	5.5	33
	18-20													
	21-23													

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02													
	03-05													
	06-08	13.3			6.7		3.3	6.7		3.3	16.7	50.0	7.5	30
	09-11	7.7	17.3		3.8	3.8	9.6	1.9		5.8	5.8	44.2	6.4	52
	12-14	6.8	15.1		11.0	2.7	5.5	8.2		11.0	11.0	28.8	6.1	73
	15-17	8.1	11.3		14.5	6.5	6.5	3.2		12.9	19.4	17.7	5.9	62
	18-20													
	21-23													
TOTALS		9.0	10.9		9.0	3.3	6.2	5.0		8.3	13.2	35.2	6.5	217

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02													
	03-05													
	06-08	16.3	2.3		4.7	2.3	7.0	2.3		4.7	11.6	48.9	7.0	43
	09-11	8.7	6.5		4.3	4.3	4.3	4.3		6.5	15.2	45.7	7.3	46
	12-14	1.7	6.7		6.7	10.0	13.3	10.0		11.7	11.7	28.3	6.8	60
	15-17		13.0		9.3	7.4	7.4	5.6		7.4	22.2	27.8	6.8	54
	18-20													
	21-23													
TOTALS		6.7	7.1		6.3	6.0	8.0	5.6		7.6	15.2	37.7	7.0	203

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

USE OF THE...
S...

74-79

AUG

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02													
	03-05													
	06-08	2.6	12.8		2.6	10.3	2.6	5.1		15.4	5.1	43.6	7.1	39
	09-11	7.5	15.0		2.5	2.5	7.5	7.5		10.0	10.0	37.5	6.6	40
	12-14	2.1	10.6		4.3	4.3	4.3	4.3		19.1	23.4	27.7	7.3	47
	15-17		6.3		9.3		10.4	6.3		18.8	22.9	27.1	7.5	48
	18-20													
	21-23													
TOTALS		3.1	11.2		4.4	4.3	6.2	5.8		15.8	15.4	34.0	7.1	174

SKY COVER

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02													
	03-05													
	06-08	10.3	5.1			7.7	5.1	2.6		5.1	17.9	46.2	7.4	39
	09-11	8.2			12.2	4.1	8.2	8.2		10.2	10.2	38.8	7.0	49
	12-14	5.4	8.1		10.8	5.4	5.4	5.4		16.2	16.2	27.0	6.7	37
	15-17	2.1	4.3		12.8	4.3	12.8	2.1		14.9	25.5	21.3	7.0	47
	18-20													
	21-23													

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

SKY COVER

USE WITH CAUTION;
SEE FIRST PAGE

74-79

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02													
	03-05													
	06-08	9.7	19.4			6.5	6.5	3.2		9.7	12.9	32.3	6.1	31
	09-11	11.6	18.6		7.0	11.6	4.7	16.3		4.7	4.7	20.9	5.0	43
	12-14		17.6		5.9	8.8	8.8	5.9		11.8	8.8	32.4	6.5	34
	15-17	31.8	9.1		9.1	4.5				9.1	4.5	31.8	4.9	22
	18-20													
	21-23													
TOTALS		13.3	16.2		5.5	7.9	5.0	6.4		8.8	7.7	29.4	5.6	130

SKY COVER

NOV

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02													
	03-05													
	06-08	14.6	22.0		7.3	4.9	7.3	7.3		4.9	17.1	14.6	4.8	41
	09-11	17.3	23.1		9.6	5.8	3.8	5.8		7.7	7.7	19.2	4.5	52
	12-14	9.1	25.0		9.1		4.5	9.1		4.5	15.9	22.7	5.4	44
	15-17	8.1	16.2		10.8	8.1	2.7	8.1		18.9	13.5	13.5	5.5	37
	18-20													
	21-23													
TOTALS		12.3	21.6		9.2	4.7	4.6	7.6		9.0	13.6	17.5	5.1	174

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

USE WITH CAUTION.
SEE FIRST PAGE

SKY COVER

43273 KOON-NI RANGE KO

74-79

DEC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02													
	03-05													
	06-08	6.1	12.1		12.1	12.1	6.1			9.1	9.1	33.3	6.2	33
	09-11	15.1	13.2		5.7	11.3	1.9	7.5		9.4	13.2	22.6	5.5	53
	12-14	4.5	22.7		9.1	6.8	4.5	11.4		6.8	9.1	25.0	5.5	44
	15-17	14.6	19.5		14.6	7.3				9.8	12.2	22.0	5.0	41
	18-20													
	21-23													
TOTALS		10.1	16.9		10.4	9.4	3.1	4.7		8.8	10.9	25.7	5.6	171

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

SKY COVER

43273 KOON-NI RANGE KO

73-80

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	19.4	12.9		9.3	6.5	7.2	8.0		15.2	6.0	15.6	4.8	190
FEB		13.6	8.9		4.8	11.9	4.2	9.7		11.6	8.3	27.3	5.9	133
MAR		11.0	8.7		7.8	10.3	2.3	9.0		7.5	6.6	36.9	6.3	154
APR		10.8	5.5		7.8	3.8	3.0	4.3		9.7	18.4	36.7	7.0	138
MAY		25.0	6.1		2.6	3.0	3.6	3.4		13.1	11.2	32.2	5.9	143
JUN		9.0	10.9		9.0	3.3	6.2	5.0		8.3	13.2	35.2	6.5	217
JUL		6.7	7.1		6.3	6.0	8.0	5.6		7.6	15.2	37.7	7.0	203
AUG		3.1	11.2		4.4	4.3	6.2	5.8		15.8	15.4	34.0	7.1	174
SEP		6.5	4.4		9.0	5.4	7.9	4.6		11.6	17.5	33.3	7.0	172
OCT		13.3	16.2		5.5	7.9	5.0	6.4		8.8	7.7	29.4	5.6	130
NOV		12.3	21.6		9.2	4.7	4.6	7.6		9.0	13.6	17.5	5.1	174
DEC		10.1	16.9		10.4	9.4	3.1	4.7		8.8	10.9	25.7	5.6	171
TOTALS		11.7	10.9		7.2	6.4	5.1	6.2		10.6	12.0	30.1	6.2	1999

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for mean and standard deviation do not include measurements for

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

REGIONAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC
4173 KCON-NI RANGE KO
STATION STATION NAME

USE WITH CAUTION
SEE FIRST PAGE

DAILY TEMPERATURES

71-80

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
95							1.9	.9					.2
90							8.2	7.0					1.3
85						1.8	28.8	32.5	3.8				5.7
80					3.2	19.9	69.7	72.8	27.8	.5			16.3
75				3.7	15.5	57.9	92.3	93.4	67.5	9.7			23.0
70				8.8	31.8	80.1	99.0	99.1	58.7	29.0	1.4		36.8
65				20.3	56.8	97.3	99.5	100.0	98.1	58.1	6.1		45.1
60			3.8	46.1	90.0	100.0	100.0		100.0	82.5	23.8	.5	54.5
55	.5	2.6	18.4	73.3	99.1					93.5	48.6	3.8	62.3
50	2.8	8.4	35.9	91.7	100.0					98.2	66.8	11.0	68.6
45	7.5	12.6	56.8	97.7						99.1	72.9	28.2	73.7
40	31.0	31.9	79.5	100.0						99.5	85.0	46.4	81.8
35	53.1	58.6	92.7							100.0	95.8	72.2	89.8
30	74.2	75.9	98.7								99.5	88.0	95.0
25	87.8	89.0	99.6								100.0	96.2	97.8
20	95.8	95.8	100.0									98.6	99.2
15	100.0	99.5										100.0	100.0
10		100.0											100.0
MEAN	34.6	35.9	46.1	59.0	67.0	74.9	82.2	82.4	76.0	65.6	51.9	39.3	59.6
S.D.	8.152	8.855	7.819	7.509	6.208	5.106	5.606	5.196	4.972	6.949	9.546	8.460	18.312
TOTAL OBS	213	191	234	217	220	221	208	228	212	217	214	209	2584

USE WITH CARE
SEE FIRST PAGE

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

4273 STATION KQON-NI RANGE KO STATION NAME

63, -- 69-81 -- . YEARS

WHOLE DEGREES FAHRENHEIT

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

FORM
ILJ 64

0-88-5 (OL A)

A) # (AT LEAST ONE DAY LESS THAN 24 OBS)

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

43273	KOON-VI RANGE KO
STATION	STATION NAME

69-70, 73-80

YEARS

32
MONTH

PAGE 1

29.5-11.5
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
41/ 47			.3															2	3																	
40/ 45		.3	.3															6	6																	
40/ 43			.3	.5														5	5	4																
42/ 41	.2		.5	.3														6	6	3																
43/ 39	.3	2.7	1.4	.3														26	26	7																
39/ 37	.3	2.3	2.0	.5														34	34	23																
40/ 35	.2	4.0	2.3	.5														45	45	36	17															
34/ 33	.6	2.4	2.7	.3														40	40	41	27															
32/ 31	.5	4.7	4.0	.3	.2													63	63	46	31															
31/ 29	.3	5.8	2.6	.3														59	59	64	27															
31/ 27	1.1	6.4	3.5	.3														74	74	54	31															
29/ 25	.2	5.0	2.4															60	60	67	27															
34/ 23	.2	5.8	3.1	.2														60	60	59	44															
32/ 21	.5	4.7	2.0	.3														49	49	61	34															
31/ 19	.2	2.3	2.3															27	27	51	61															
30/ 17	.2	2.9	1.1															27	27	26	44															
30/ 15	.3	2.0	1.5															25	25	29	34															
30/ 13		2.7	.6															22	22	23	39															
31/ 11	.2	1.5	.2															12	12	29	24															
31/ 9		2.3	.2															14	14	13	24															
31/ 7		.6																4	4	10	24															
31/ 5		.3																2	2	4	4															
41/ 3		.9																3	3	3	16															
32/ 1																				2	15															
31/ -1																					17															
-1/ -3																					1															
-4/ -5																																				
-2/ -9																																				
-17/ -13																					1															
-14/ -15																					1															
TOTAL	4.9	58.0	32.8	4.1	.2													655	655	655	655															
Element (X)	Σ X'		Σ X		Σ	Σ	No. Obs.										Mean No. of Hours with Temperature																			
Rel. Hum.	3410910		46432		72.9	13.513	655										± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total							
Dry Bulb	517105		17589		26.9	8.275	655												69.7										43							
Wet Bulb	438728		16106		24.6	8.080	655												76.8										50							
Dew Point	294040		11996		18.3	10.662	655										6.0		85.6										23							

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE INSTRUCTIONS

PSYCHROMETRIC SUMMARY

STATION 42273 KODON-NI RANGE KO

69-70.73-50

YEARS

MONTH

PAGE 1 1210-14-1
HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
54/ 50				.3	.3													4	4					
52/ 51				.3														2	2					
50/ 49			.5	.2														3	3					
48/ 47			.5	.3	.2													6	6					
46/ 45		.2	.5	1.4	.4	.2												19	19	4				
44/ 43		.6	.3	1.3	.2		.2											15	15	4				
42/ 41	.2	1.6	4.9	.5	.5													48	48	11				
40/ 39	.2	2.7	5.2	2.4	.9													72	72	24				
38/ 37	.3	1.7	2.4	1.7														39	39	65				
36/ 35		2.2	3.0	1.4	.2													43	43	49				
34/ 33	.2	.9	4.6	2.5														52	52	47				
32/ 31	.2	1.1	3.9	2.2														46	46	52				
30/ 29		2.7	3.9	1.4														51	51	44				
28/ 27	.2	3.6	3.6	2.5														63	63	59				
26/ 25		2.5	3.6	.8														44	44	61				
24/ 23	.2	2.7	4.2	.3														47	47	57				
22/ 21		.9	3.3															27	27	44				
20/ 19		1.3	2.7															21	21	34				
18/ 17		.3	1.4															11	11	30				
16/ 15		.6	1.3															12	12	15				
14/ 13		.5	.5															6	6	16				
12/ 11		.5	.3															5	5	11				
10/ 9		.2																1	1	5				
8/ 7																				1				
6/ 5																								
4/ 3																								
2/ 1																								
0/ -1																								
-2/ -3																								
-4/ -5																								
TOTAL	1.3	26.7	49.6	19.3	3.7	.2												637	637	637	537			
Element (X)	Σ x ²		Σ x		\bar{x}	s^2	No. Obs.		Mean No. of Hours with Temperature										Total					
Rel. Hum.	2733430		40766		64.0	13.993	637		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	686251		20236		31.3	8.261	637			48.8														
Wet Bulb	550998		18738		28.3	7.952	637			62.3														
Dew Point	343256		13046		20.5	10.236	637		4.1	60.3														

1992

PSYCHROMETRIC SUMMARY

62-73, 73-87

YEARS

MONTH

PAGE 1 15-17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
57/ 55				.4														2	7						
54/ 53					.4													2	7						
52/ 51				.9														5	5						
50/ 49					.9													1	1						
48/ 47			.4	.2														3	7						
46/ 45		.6	.4	.4	.4		.4											13	13						
44/ 43		.6	2.3	1.9	.9													16	16						
42/ 41		.8	5.3	.2	.8	.2												42	42						
40/ 39		2.3	5.1	1.9	.6													55	55						
38/ 37	.6	.9	4.1	1.7	.4													41	42						
36/ 35	.4	1.9	3.2	.4	.2													32	32						
34/ 33		.9	5.3	1.7	.2													43	43						
32/ 31	.2	1.5	3.6	2.3														40	40						
30/ 29		1.7	5.3	1.7	.6													49	49						
28/ 27		3.6	2.4	2.8														47	48						
26/ 25		.6	1.9	1.7														26	26						
24/ 23	.2	2.6	4.5	.6														42	43						
22/ 21		1.1	3.6	.2														16	26						
20/ 19		.3	2.3															16	16						
18/ 17		.8	1.1															10	10						
16/ 15		.4	.3															7	7						
14/ 13		.2	.4															3	3						
12/ 11		.4	.2															3	3						
10/ 10																									
8/ 7																									
6/ 6																									
4/ 4																									
2/ 2																									
0/ 0																									
100/ 100	1.1	2.2	5.2	19.3	4.9	.6												533	535	575					
Σ	ΣX'	ΣX	Σ	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
100/ 100	26764.21	33961	63.7	14.544	533																				
90/ 90	16044.4	17372	32.9	8.252	533								46.1												
80/ 80	17027.1	15399	28.9	7.932	533								57.9												
70/ 70	9944.8	11184	21.0	11.031	533							2.6	79.5												

1. The first part of the document is a list of names and titles, including "The Hon. Mr. Justice" and "The Hon. Mr. Justice".

4373 STATION KOON-NI RANGE KO STATION NAME

62-7, 73-5

YEARS

MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
50 / 50				.1														2	2																
49 / 53				.1	.2													3	3																
48 / 51				.2														4	4																
47 / 49			.1	.2	.1													5	5	.1															
46 / 47			.3	.1	.													6	6	.2															
45 / 45		.3	.3	.6	.4	.1												7	7	.3															
44 / 43		.4	.7	1.0	.3													8	8	.4	.1														
43 / 41	.1	.7	2.0	.5	.3	.2												9	9	.5	.2														
42 / 39	.2	2.1	3.1	1.2	.4													10	10	.6	.3														
41 / 37	.3	1.6	2.4	1.1	.1													11	11	.7	.4														
40 / 35	.2	2.7	2.7	.7	.1													12	12	.8	.5														
39 / 33	.2	1.5	3.5	1.2	.													13	13	.9	.6														
38 / 31	.3	2.9	3.5	1.2	.													14	14	1.0	.7														
37 / 29	.2	3.4	3.4	.9	.1													15	15	1.1	.8														
36 / 27	.6	5.2	3.2	1.5														16	16	1.2	.9														
35 / 25	.3	3.1	2.4	.5														17	17	1.3	1.0														
34 / 23	.4	4.2	3.8	.3														18	18	1.4	1.1														
33 / 21	.2	3.9	2.6	.1														19	19	1.5	1.2														
32 / 19	.2	1.7	2.0															20	20	1.6	1.3														
31 / 17	.1	2.3	1.1															21	21	1.7	1.4														
30 / 15	.3	2.1	1.2															22	22	1.8	1.5														
29 / 13		1.7	.5															23	23	1.9	1.6														
28 / 11	.1	1.4	.															24	24	2.0	1.7														
27 / 9	.2	1.8	.															25	25	2.1	1.8														
26 / 7	.1	.5																26	26	2.2	1.9														
25 / 5	.1	.3																27	27	2.3	2.0														
24 / 3		.3																28	28	2.4	2.1														
23 / 1	.1																	29	29	2.5	2.2														
22 / -1	.1																	30	30	2.6	2.3														
21 / -3																		31	31	2.7	2.4														
20 / -5																		32	32	2.8	2.5														
19 / -7																		33	33	2.9	2.6														
18 / -9																		34	34	3.0	2.7														
17 / -11																		35	35	3.1	2.8														
16 / -13																		36	36	3.2	2.9														
Element (X)	Σ x'		Σ x		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

4-273	KOON-NI RANGE KO
STATION	STATION NAME

69-70, 73-3'

YEARS

4
MONTH

2455

ALL

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

4773 KOON-NI RANGE KO

69-70, 73-80

FEB
MONTH

PAGE 1 06.00-1800
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point													
47/47				.6														2		2													
46/43		.6																2		2													
42/41		.6	.6															4		4												1	
41/39		2.6	.3															10		10												1	
38/37	.3	2.6	.3															11		11												5	
38/35		2.9	1.1	.3														19		19												9	
34/33	1.4	3.7	2.6															27		27												11	
33/31		6.9	3.4	.9														39		39												16	
31/29	.6	6.0	3.2	.3														35		35												12	
31/27	2.3	7.2	1.7															39		39												12	
27/25	.6	8.0	.6															32		32												10	
24/23		7.2	1.1	.3														30		30												10	
22/21	.6	3.2	1.1															17		17												10	
21/19		3.4	2.3															20		20												10	
17/17	.3	.9	1.1															9		9												10	
17/15		2.6	1.7															15		15												10	
14/13		1.1																4		4												10	
11/11		2.6	.3															10		10												10	
11/9	.6	4.3																17		17												10	
7/7		2.3																7		7												10	
5/5	.3	.3																2		2												10	
3/3		.3																1		1												10	
1/1																																	10
-1/-1																																	10
-3/-3	.3																	1		1												10	
-4/-5																																	10
-5/-7																																	10
-11/-11																																	10
-14/-15																																	10
TOTAL	7.469	21.6	2.3																348		348											34	
Element (X)	ΣX'			ΣX			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature										Total							
Rel. Hum.	1971639			25797			74.113.775			342			= 0 F			= 32 F			= 67 F			= 73 F			= 80 F			= 93 F			Total		
Dry Bulb	258134			8992			25.88.516			342			.2			66.9																	
Wet Bulb	225098			8342			24.08.510			342			.2			71.2																	
Dew Point	164948			6418			18.41.078			342			6.3			77.5																	

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CARE
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

48073 KOON-NI RANGE KD

69-73,73-80

FEB

STATION NAME

YEARS

MONTH

PAGE 1 19 7-11 1973
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
49			.3	.2														3	3				
47			.5	.3														5	5				
45		.6	.5	.5	.3													12	12	4			
43		.2	.6	1.1														12	12	7			
41		1.5	2.3		.2													24	24	9	7		
39		2.6	2.3	1.3														36	38	22	7		
37	.3	3.1	1.8	1.5														41	41	41	15		
35		4.4	4.9	1.1														64	64	32	25		
33	.8	3.4	6.2	1.3														71	71	62	37		
31	1.2	3.4	4.7	.8	.2													62	62	59	47		
29	.5	4.2	5.5	.5	.2													67	67	63	37		
27	.3	3.2	3.1	.6														45	45	57	36		
25	.2	1.8	2.8															29	29	56	35		
23		2.1	3.1	.3														34	34	22	67		
21		1.7	3.6															28	28	29	49		
19		1.5	1.9															21	21	31	29		
17		.6	1.6															14	14	26	41		
15		2.1	.6															17	17	15	19		
13		1.9	.2															13	13	16	15		
11		1.5	.5															12	12	20	10		
9			.3															2	2	9	20		
7		.2																1	1	5	10		
5		.3																2	2	2	41		
3																					13		
1																					11		
-1																					10		
-3																					7		
-5																					2		
-7																					1		
-9																					1		
-11																					1		
TOTAL	1.1	39.5	47.2	9.6	.8													617		617	617		
Element (X)	Σ x'		Σ x		Σ	Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x	
Rel. Hum.	3152392		42550		69.0	13.842		617		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	609597		18715		30.3	8.250		617				47.2										54	
Wet Bulb	508180		16992		27.5	8.081		617				60.0										54	
Dew Point	344023		12937		21.0	10.869		617		2.7		71.5										54	

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

4773 KOCN-NI RANGE KO
STATION STATION NAME

69-70, 73-80
YEARS

FEB
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
57																		1	1			
56																		5	5			
55																		5	5			
54																		9	9			
53																		13	13	4		
52																		14	14	8		
51																		35	35	16		
50																		29	29	10		
49																		50	50	22		
48																		43	43	19		
47																		58	58	45		
46																		61	61	33		
45																		37	37	24		
44																		46	46	14		
43																		26	26	55		
42																		44	44	34		
41																		26	26	44		
40																		32	32	23		
39																		17	17	35		
38																		23	23	29		
37																		10	10	19		
36																		7	7	25		
35																		2	2	10		
34																		2	2	2		
33																				2		
32																						
31																						
30																						
29																						
28																						
27																						
26																						
25																						
24																						
23																						
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12																						
11																						
10																						
9																						
8																						
7																						
6																						
5																						
4																						
3																						
2																						
1																						
0																						
-1																						
-2																						
-3																						
-4																						
-5																						
-6																						
-7																						
-8																						
-9																						
Element (X)	Σ x ¹			Σ x			x̄			σ _x			No. Obs.			Mean No. of Hours with Temperature						
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

42273 KQON-NI RANGE KO
STATION STATION NAME

59-70.73-80

YEARS

FEW
MONTH

PAGE 1 15-17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
59 / 59					.4	.2												3	3					
58 / 57					.2	.2												2	2					
54 / 53			.4	.4	.4	.2												7	7					
52 / 51			.2	.6	.6	.2												5	5					
51 / 49			.4	.6	1.2	.2												12	12					
49 / 47		.4	.4	1.8	1.8	.6												25	25					
45 / 45		.2	.8	2.6	1.4	.2												26	27					
44 / 43		1.2	.2	2.8	.4													23	23					
42 / 41	.2	3.4	4.4	2.0	.8													54	54					
39 / 39	.6	3.0	1.8	2.8	.8													45	45					
37 / 37	.6	1.8	4.4	2.4	.6													49	49					
36 / 35		1.6	3.2	3.2	1.2													45	45					
34 / 33		.6	2.2	2.2	.4													27	27					
32 / 31		.8	3.6	2.8	.2													33	33					
29 / 29		1.4	2.4	.6														22	22					
27 / 27		1.6	4.4	2.2														40	40					
25 / 25		.8	.8	2.8														22	22					
24 / 23		.8	2.4	1.8														21	21					
22 / 21			2.2	.2														12	12					
19 / 19		.3	2.2															15	15					
17 / 17		.4	1.2															7	7					
16 / 15		.2	.2															2	2					
14 / 13			.2															1	1					
12 / 11			.2															1	1					
9 / 9																								
7 / 7																								
5 / 5																								
4 / 3																								
2 / 1																								
1 / -1																								
-3 / -3																								
-6 / -7																								
TOTAL	1.4	19.0	37.9	29.5	10.4	1.8												499	510		499			
Element (X)	Σ X'		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X	
Rel. Hum.	2019139		30833		61.8		15.129		499		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total	
Dry Bulb	675753		17847		35.7		8.809		500				29.6										64	
Wet Bulb	529453		15717		31.5		8.307		499				42.8										64	
Dew Point	334341		11589		23.2		11.442		499		2.2		64.6										64	

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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PSYCHROMETRIC SUMMARY

4773 KRON-NI RANGE KC
STATION

69-70, 73-80
YEARS

FEB
MONTH

PAGE 1 ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
59 / 59					.1	.0												3	3								
58 / 57					.1	.0												3	3								
56 / 55					.1	.1												5	5								
54 / 53			.2	.1	.2	.0												12	12								
52 / 51			.1	.1	.3	.1												14	14	2							
50 / 49		.1	.3	.4	.5	.2												23	23	9							
48 / 47		.2	.3	.8	.8	.1												46	46	12							
46 / 45		.5	.9	1.2	.6	.1												73	74	26							
44 / 43		.7	.6	1.5	.3	.0												66	66	42							
42 / 41	.1	2.0	2.8	1.0	.5													132	132	73							
40 / 39	.4	2.6	2.7	1.4	.2													136	136	126							
38 / 37	.4	2.5	2.6	1.9	.3													159	159	153							
36 / 35		2.9	3.3	2.2	.6													185	185	114							
34 / 33	.7	1.9	3.7	1.4	.2													162	162	125							
32 / 31	.4	2.9	3.8	1.5	.2													180	180	170							
30 / 29	.2	2.9	3.6	.4	.1													150	150	214							
28 / 27	.5	3.3	3.4	1.3														168	168	167							
26 / 25	.1	2.2	1.7	1.2														109	109	130							
24 / 23		2.4	2.7	.5														117	117	170							
22 / 21	.1	.9	2.5	.0														74	74	105							
20 / 19		1.4	2.4															79	79	103							
18 / 17	.0	.5	1.4															39	39	51							
16 / 15		1.4	.6															41	41	74							
14 / 13		.8	.1															20	20	46							
12 / 11		.9	.3															25	25	34							
10 / 9	.1	.7	.1															19	19	21							
8 / 7		.4																8	8	17							
6 / 5	.7	.1																4	4	7							
4 / 3		.3																1	1	2							
2 / 1																											
0 / -1																											
-2 / -3	.0																	1	1	1							
-4 / -5																											
-6 / -7																											
Element (X)	Σ X'				Σ X				X				C _s				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											

USAFETAC FORM 44 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

YEARS

CE:
MONTA

PAGE 2

HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

FORM 94

USAFETAC

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PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

47273 KRON-NI RANGE KO

68-70.73-79

YEAR
MONTH

PAGE 1
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																			
59			.1															1	1																					
57							.1											1	1																					
55	.1		.1	.4	.3													7	7																					
53	.3		.3	.9	.3	.1												13	13																					
51		.1	.9	1.2	.7	.3	.1											23	23	1																				
49		.1	.7	.6	1.4	.3												19	19	9	1																			
47	.1	.1	1.5	2.3	1.1	.6												39	39	21																				
45		1.2	3.4	1.0	.7	.3												45	45	17																				
43		1.5	4.0	3.2	1.4	.3												68	58	48																				
41	.1	4.4	6.3	1.8	.8	.1												93	93	59	21																			
39	.3	2.9	3.4	2.6	.3	.1												65	65	40	39																			
37	.7	3.7	3.1	2.3	.4													70	70	43	34																			
35	.9	3.2	4.7	2.6														73	73	72	34																			
33	.6	2.1	4.8	1.2	.1													60	61	74	64																			
31		2.3	2.9	1.8														48	48	57	74																			
29		1.2	1.2	1.8														28	28	67	47																			
27		1.3	.9	.4														16	16	33	47																			
25		.1	.9															7	7	32	57																			
23			.3															2	2	13	67																			
21																				5	67																			
19		.3																2	2	3	17																			
17		.1																1	1	1	17																			
15																				1	17																			
13																					7																			
11																					7																			
9																					7																			
7																					7																			
5																					7																			
TOTAL	3.2	24.4	38.8	24.2	6.7	2.2	.3											681	681	681	681																			
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																													
Rel. Hum.	3371025		46911		68.9		14.324		681		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb	1091946		26884		39.5		6.713		681			14.2					7																							
Wet Bulb	894142		24366		35.7		6.257		681			29.0					4																							
Dew Point	642889		24153		29.6		8.269		681			54.5					7																							

USAFETAC FORM 0-26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

42073 KRON-NI RANGE KO

53-70, 73-70

YEARS

MAR
MONTH

PAGE 1 12-10-14
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
44/ 67					.1		.1	.1	.1									4	4		
45/ 61				.1	.1		.4											5	5		
46/ 59			.1	.4	.4	.4	.4	.1										14	14		
47/ 57			.1	.4	.9	.4	.4											16	16		
48/ 55			.3	1.5	1.1	1.2	.5											33	25		
49/ 53		.1	.7	1.2	1.8	.9	.4	.1										35	25		
50/ 51		.6	.5	2.4	1.6	.6	.1											40	40	11	
51/ 49		.1	1.5	1.8	1.3	1.2												40	40		
52/ 47			1.6	2.1	.9	.9	.1											38	38	-1	
53/ 45		.4	4.5	4.9	1.3	.3												30	40	-2	
54/ 43		1.1	4.2	3.3	1.5	.4	.1											69	69		
55/ 41		.7	3.4	3.3	1.5	.6												64	64	70	
56/ 39	.1	1.5	2.5	1.5	.9	.3												46	46	60	
57/ 37	.6	1.6	1.9	4.0	.4	.3												54	24	54	
58/ 35	.1	.6	4.3	2.8	.1													54	44	54	71
59/ 33	.2	.4	1.2	1.9	.3													28	43	60	2
60/ 31			.9	1.3	.1													16	16	64	64
61/ 29		.3	.3	1.3														13	13	24	22
62/ 27		.5	.1	.1														6	6	21	34
63/ 25		.6	.4															7	7	22	22
64/ 23																					1
65/ 21		.1																1	1		27
66/ 19		.1	.1															2	2	1	11
67/ 17																					1
68/ 15																					1
69/ 13																				1	2
70/ 11																					1
71/ 9																					1
72/ 7																					1
73/ 5																					1
TOTAL	1.2	9.1	23.3	34.3	15.7	7.6	2.5	.9	.1									667	667	667	667
Element (X)	Σ x ²	Σ x	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	26188.7	4068.3	61.0	14.363	667	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1324370	29240	43.8	7.993	667		6.3					42									
Wet Bulb	1018008	25638	38.4	6.990	667		20.9					52									
Dew Point	675482	20374	30.5	8.933	667		49.4					92									

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

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PSYCHROMETRIC SUMMARY

4-275	KCON-NI RANGE KO
STATION	STATION NAME

66-70, 73-79

YEARS

1465

MONTH

PAGE 1

15-17.
HOURS (L. S. T.)

[illegible]

AD-A102 398 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
KON-NI RANGE, OSAN, KOREA. REVISED UNIFORM SUMMARY OF SURFACE --ETC(U)
APR 81

UNCLASSIFIED USAFETAC/DS-81/052

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATMOSPHERIC WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

STATION 40273 KOCN-NI RANGE KO STATION NAME

60-70.73-79

YEARS

MONTH ALL

PAGE 1

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 63																		5	5		
4/ 61																		5	5		
4/ 59																		29	29		
4/ 57																		33	33		
5/ 55																		65	65	9	
4/ 53																		63	63	17	
4/ 51																		99	99	22	11
4/ 49																		67	67	12	12
4/ 47																		118	118	66	11
4/ 45																		217	217	66	22
4/ 43																		220	220	149	36
4/ 41																		264	264	229	97
4/ 39																		198	198	266	144
4/ 37																		202	202	252	136
4/ 35																		129	129	223	243
4/ 33																		164	164	245	266
4/ 31																		134	134	214	259
4/ 29																		86	86	183	146
4/ 27																		54	54	110	150
4/ 25																		30	30	93	162
4/ 23																		8	8	41	210
4/ 21																		8	8	11	114
4/ 19																		4	4	15	91
4/ 17																		3	3	5	62
4/ 15																				4	51
4/ 13																					42
4/ 11																					37
4/ 9																					27
4/ 7																					15
4/ 5																					4
4/ 3																					1
TOTAL	2.721	5.32	3.26	4.10	4.9	1.3	.4	.3										2331	2331	2331	2331
																		2331		2331	
Element (X)	Z _h	Z _x	X	q _x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	10790507	154499	66.3	15.368	2331	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total									
Dry Bulb	4052665	95445	40.9	7.877	2331		104.4					744									
Wet Bulb	3227187	85249	36.6	6.854	2331		215.1					744									
Dew Point	2249196	69618	29.9	8.541	2331		434.7					744									

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USE WITH CAUTION
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PSYCHROMETRIC SUMMARY

4-73	MOON-NI RANGE RD
STATION	STATION NAME

65-72, 73-79

YEARS

20:
MONTH

PAGE 1

1000-081
HOURS (L. S. T.)

[illegible]

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0-26-5 (OL A)

WOMEN

USAFETAC

USE WITH CAUTION
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PSYCHROMETRIC SUMMARY

45273	WCON-NI RANGE KD
STATION	STATION NAME

63-70, 73-79

YEARS

APR
MONTH

PAGE 1

79.0-11.0
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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PSYCHROMETRIC SUMMARY

42.73 KOON-NI RANGE KO

65-70.73-79

YEARS

APR
MONTH

PAGE 1

12-14
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
70 / 77									.2									1	1						
76 / 75				.2				.2	.2									4	4						
74 / 73				.3				.5										6	6						
72 / 71			.2		.3	.6	.5	.6	.2									15	15						
71 / 69			.2	.3	.2	.3	.5	.3	.2									12	12						
68 / 67		.2	.8	.3	.5	1.1	.5	.5	.2	.2								27	27						
66 / 65		.2	.3	.5	1.1	.5	.9	.9										28	28	4					
64 / 63		.3	.5	1.1	1.4	2.7	1.1	.6	.2									46	46	9					
61 / 61			.2	1.1	2.9	1.7	1.5	.6										52	52	17					
59 / 59		.3	.6	3.4	2.1	3.7	1.7	.2	.2									79	79	29					
58 / 57		.6	.6	3.1	3.1	2.5	.8	.5										72	72	26					
56 / 55		.5	1.2	2.9	2.8	1.8	.5											64	64	47					
54 / 53		1.2	3.5	2.6	1.2	.6	.6											64	64	59					
52 / 51		1.1	2.7	1.7	.6	.5	.2											50	50	53					
51 / 49	.3	.3	2.1	1.8	2.6	1.1	.2											55	55	102					
49 / 47	.2	1.1	.6	1.5	2.1													36	36	96					
47 / 45		.6	.8	1.4	.3													20	20	60					
47 / 43			.5	.9														9	9	32					
42 / 41		.2	.5	.6	.2													9	9	45					
41 / 39																				21					
37 / 37				.3														1	1	8					
35 / 35			.3															2	2	5					
34 / 33																				1					
32 / 31																									
31 / 29																									
29 / 27																									
25 / 25																									
24 / 23																									
TOTAL	.5	6.4	16.4	23.9	21.7	16.3	8.9	5.1	1.1	.2								652	652	652	652				
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.	2561447		39689		60.9		14.948		652		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F				
Dry Bulb	2146386		37122		56.9		7.155		652						5.0		1.5								
Wet Bulb	1648211		32535		49.9		6.160		652						.3		.7								
Dew Point	1236025		27965		42.8		8.005		652				10.2		.3										

USAFETAC FORM 0-26-5 (OLA) 1-64

USE WITH CAUTION
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PSYCHROMETRIC SUMMARY

42273	KOON-NI RANGE KO
STATION	STATION NAME

68-70, 73-70

YEARS

1.5
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
70/ 77									.7	.7								5	5					
70/ 75				.3					.2									4	4					
74/ 73				.2				.9										6	6					
70/ 71				.2		.2	.2	.3										5	5					
70/ 69			.3			.7	.5	.3	.2									12	12	2				
60/ 67			.3	.2	.2	.2	.5	.2	.2									14	14	2	1			
60/ 65		.2	.2		.7	.2	1.2	.3	.2									17	17	3	3			
64/ 63		.3	.3	1.4	.7	1.7	1.6	.2										36	36	9	2			
60/ 61		.7	.3	1.6	2.4	1.4	.7	.5										44	44	16	4			
60/ 59		.7	.3	2.8	2.1	2.9	.5	.3	.2									57	57	16	6			
60/ 57		.3	1.2	2.6	3.9	2.9	.5	.2										67	67	16	9			
60/ 55		.3	1.4	4.2	1.9	2.1												57	57	19	11			
40/ 53	.2	.5	1.9	3.8	2.9	.7	1.7	.2										65	65	62	22			
40/ 51		.7	2.8	1.9	1.6	.5												43	43	56	19			
50/ 49	.3	1.4	2.8	2.4	3.5	1.4												68	68	98	35			
40/ 47		1.0	1.7	1.9	2.3													35	35	81	34			
40/ 45	.3	.9	1.4	.9	.9													25	25	75	65			
44/ 43		.2		.2														6	6	39	60			
42/ 41			.9	.5	.2													9	9	39	92			
40/ 39																				23	44			
40/ 37			.3															2	2	10	3			
30/ 35																				3	34			
34/ 33																				1	25			
22/ 31																				1	35			
70/ 29																					17			
20/ 27																					10			
60/ 25																					6			
44/ 23																					2			
22/ 21																					1			
TOTAL	.8	7.3	15.9	25.1	23.1	14.9	7.8	4.2	.9									577		577	577			
Element (X)	Σ X'		Σ X		X̄		C _A		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	2297279		35421		61.4		14.604		577		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	1844233		32363		56.1		7.101		577						7.2		2.3						9	
Wet Bulb	1423902		28446		49.3		6.112		577						.2								9	
Dew Point	1066470		24388		42.3		7.869		577				11.9		.2								9	

USE WITH CARE!
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PSYCHROMETRIC SUMMARY

43273 KOON-NI RANGE KO
STATION STATION NAME

68-70, 73-79

YEARS

APP
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

[illegible]

USE WITH CAUTION
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PSYCHROMETRIC SUMMARY

40273	KOON-NI RANGE KO
STATION	STATION NAME

68-70, 73-74

YEARS

MAY
MONTH

PAGE 1 2670-0800
HOURS (L. S. T.)

[illegible]

2

PSYCHROMETRIC SUMMARY

68-72, 73-79

YEARS

MAY
MONTH

PAGE 1

292-11
HOURS (L. S. T.)

[illegible]

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0-26-5 (OLA)

USAFETAC FORM 28-64

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PSYCHROMETRIC SUMMARY

<u>42273</u>	<u>MOON-NI RANGE KO</u>
STATION	STATION NAME

63-70, 73-77

YEARS

DAY
MONTH

PAGE 1 1250-1450
HOURS (L. S. T.)

[illegible]

USE WITH CAUTION
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PSYCHROMETRIC SUMMARY

43273	KOON-NI RANGE KC
STATION	STATION NAME

68-70, 73-79

YEARS

DAY
MONTH

PAGE : 15-17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
71/ 51						.7		.4		.6								6	5					
72/ 72					.1		.6	.2	.2		.2	.2						3	3					
73/ 77					.6	.4	.7	.6	.2	.2								14	14					
74/ 76				.3		.4	.9	.4	.6	.2								14	14					
74/ 73			.2	.6	1.3	1.3	.6			.2								22	22					
75/ 71				.7	1.5	.6	2.2	.4	.2	.4								31	31					
76/ 69			.4	2.6	2.4	1.1	.7	.7	.4	.6								48	48	7				
68/ 67			.2	1.6	2.6	2.4	.9	.9	.7									52	52	12				
66/ 65		.6	1.7	3.7	3.1	2.6	.3	.3	.2									65	65	21				
64/ 63		.7	1.8	3.5	3.1	3.5	1.3	.4										77	77	34				
62/ 61		1.3	3.3	5.4	3.1	1.5	.2											79	79	60				
62/ 59		1.7	3.9	2.8	2.2	1.1	.2											64	64	66				
61/ 57	.4	1.5	1.9	1.8	.4	.7												36	36	65				
58/ 55		.4	.2	2.2	.2													16	16	67				
54/ 53		.2	.2		.4													4	4	62				
52/ 51				.5	.2													5	5	79				
51/ 49																				21				
48/ 47		.2																1	1	5				
45/ 45																				5				
44/ 43																				1				
42/ 41																				10				
41/ 39																				6				
38/ 37																				4				
36/ 35																				7				
32/ 31																				1				
TOTAL	.4	6.5	3.8	25.9	22.7	15.7	8.2	4.1	2.4	2.0	.2	.2						542	542	542				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

4273 Koon-Ni Range KO
STATION STATION NAME

50-70, 73-79
YEARS

MAY
MONTH

PAGE 1

ALL
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																																			
47/ 83																																	1	1																					
57/ 81																																	12	12																					
67/ 79																																	19	19																					
77/ 77																																	44	44																					
87/ 75																																	53	53																					
97/ 73																																	73	73																					
107/ 71																																	172	172	4																				
117/ 69																																	142	142	15																				
127/ 67																																	172	172	46																				
137/ 65																																	198	198	71	12																			
147/ 63																																	305	305	176	27																			
157/ 61																																	273	273	124	67																			
167/ 59																																	305	305	251	17																			
177/ 57																																	196	196	371	221																			
187/ 55																																	147	147	373	247																			
197/ 53																																	73	73	253	264																			
207/ 51																																	55	55	276	253																			
217/ 49																																	22	22	132	246																			
227/ 47																																	15	15	64	161																			
237/ 45																																	9	9	37	193																			
247/ 43																																	1	1	14	77																			
257/ 41																																			1	5																			
267/ 39																																				1																			
277/ 37																																				1																			
287/ 35																																				1																			
297/ 33																																																							
307/ 31																																																							
317/ 29																																																							
TOTAL	1.3	12.1	21.3	27.9	15.7	11.3	6.3	3.0	1.7	1.1	.2	.0																					2225	2225	2225	2225																			
Element (X)	Σx ¹					Σx					Σ					Σ ²					No. Obs.					Mean No. of Hours with Temperature																													
Rel. Hum.	10798512					151476					69.114.785					2225					≥ 0 F					≥ 32 F					≥ 67 F					≥ 73 F					≥ 80 F					≥ 93 F					Total				
Dry Bulb	8943516					140293					63.16.638					2225															206.6					67.5					8.4										744				
Wet Bulb	7224285					126271					56.85.119					2225															23.4																				744				
Dew Point	6031877					114997					51.76.303					2225										1.3					3.0															744									

S. C. Gupta

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

64-72, 73-75

YEARS

MONTH

PAGE 7

HOURS (L. S. T.)

[illegible]

USE WITH CARE
SEE INSTRUCTIONS

PSYCHROMETRIC SUMMARY

47273	KJON-NI RANGE KJ
STATION	STATION NAME

63-77, 73-79

YEARS

24. MONTH

PAGE : 1910-110
HOURS (L. S. T.)

[illegible]

USE WITH CARE
SEE FIGURE 1

12273 MOON-NI RANGE KO
STATION STATION NAME

68-70, 73-79

YEARS

MONTH

PAGE 1 14-14
HOURS (L. S. T.)

[illegible]

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

<u>47273</u>	<u>KCON-NI PAGE KC</u>
STATION	STATION NAME

68-70, 73-79

YEARS

JUN
MONTH

PAGE 1

15 6-17
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
AFL 8-4
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USE WITH CAUTION;
SEE LAST PAGE

PSYCHROMETRIC SUMMARY

4273	KOON-NI RANGE KO
STATION	STATION NAME

68-70, 73-79

YEARS

JUL
MONTH

PAGE 1 1200-14
HOURS (L. S. T.)

[illegible]

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

4773 KCGN-VI RANGE KC
STATION STATION NAME

68-70, 73-79

YEARS

JUL
MONTH

PAGE 1

ALL
HOURS (L.S.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

FROM

USAFETAC

PSYCHROMETRIC SUMMARY

43273 KCON-NI RANGE KO
STATION STATION NAME

68-70, 73-79

YEARS

AUG
MONTH

PAGE 1 360-2200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
44/ 83			.2															1	1					
47/ 81		1.0	1.2	.7	.5	.2												15	15					
51/ 79		2.2	3.4	.7	.5													28	28	6	4			
76/ 77	1.4	8.2	7.2	4.3	.2													69	69	22	19			
76/ 75	2.7	11.1	7.0	2.2	.2													96	96	73	47			
74/ 73	1.4	4.8	5.3	2.7	.7													92	92	91	83			
72/ 71	1.4	4.1	2.9	1.4	1.0	.2												46	46	67	63			
71/ 69		2.7	1.7	.5	.7													23	23	47	54			
67/ 67	.2	.2	2.2	.2	.2													13	13	32	36			
66/ 65		3.4	2.4	.2	.5													27	27	19	26			
64/ 63		1.0	1.7	.2	.2													13	13	32	37			
62/ 61	.2																	1	1	31	14			
59/ 59																				3	22			
56/ 57																				1	4			
56/ 55																					2			
47/ 52																					6			
42/ 51																					1			
TOTAL	7.5	38.6	35.3	13.3	4.6	.5												414	414	414	414			

USE WITH CAUTION
SEE FIRST AID

PSYCHROMETRIC SUMMARY

43273	KOON-NI RANGE KC
STATION	STATION NAME

68-70, 73-79

YEARS

AGE
MONTH

FACE 1 7900-110
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

4273 KCON-NI RANGE KO
STATION STATION NAME

63-70, 73-79
YEARS

AUG
MONTH

PAGE 1 12-0-14
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point
67/ 25										.2								1	1		
67/ 27						.2		.2	.2	.2								4	4		
67/ 91			.2			.3	.5	.3	.2									13	13		
67/ 89			1.1		.6	.6	1.1	1.4		.2								32	32		
67/ 87		.5	.5	.9	1.4	2.8	3.1	.9										62	62	1	
67/ 85		.3	1.9	1.5	4.1	3.6	1.4	.2										23	23	1	2
47/ 83			2.9	5.7	4.6	1.9	.8	.2		.2								111	111	6	11
67/ 81			3.6	6.7	3.7	2.5	2.7	.5	.5	.2								124	124	23	11
67/ 79		1.1	1.7	4.9	2.3	1.4		.5	.2									70	70	72	30
73/ 77	.2	2.5	3.1	3.3	1.7	1.1	.2	.5										60	60	124	72
75/ 75	.6	.9	.6	1.7	.9	.2	.2	.9										35	35	152	109
74/ 73	.2	.5	.3	.2	.2	.3	.2											11	11	62	112
77/ 71		.3	1.2															10	10	45	135
77/ 69	.2		.8															6	6	48	52
67/ 67			.3	.2														3	3	22	48
66/ 65			.2															1	1	14	28
64/ 63																				9	40
62/ 61																				5	2
61/ 59																					1
62/ 57																					2
56/ 55																					2
64/ 53																					4
62/ 51																					1
57/ 49																					1
TOTAL	1.1	6.0	18.3	25.1	19.6	14.7	7.4	5.0	1.1	.8								646	646	646	646
										</											

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A)

USAFETAC

USE WITH CARE
SEE INSTRUCTIONS

PSYCHROMETRIC SUMMARY

<u>43273</u>	<u>KCON-NI RANGE KO</u>
STATION	STATION NAME

60-72, 73-79

YEARS

Aug
MONTH

PAGE 1 15 C-172

[illegible]

See also

PSYCHROMETRIC SUMMARY

4 73 KOON-NI RANGE KO
STATION STATION NAME

63-70, 73-79

YEARS

MONTH

1998

24
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
NM 44
0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0.26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USE WITH CARE!
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

4773	KOON-NI RANGE RD
STATION	STATION NAME

64-70, 73-70

YEARS

50
MONTH

PAGE 1 12 C-14
HOURS 11-5-7

[illegible]

SEE FIRST PAGE

4473 KOON-NI RANGE KO
STATION STATION NAME

63-77, 73-79

YEARS

252
MONTH

PAGE 1 15-1-17
HOURS (L. S. T.)

[illegible]

USE WITH CAUTION
SEE FIRST PAGE

43273 KOON-NI RANGE KO
STATION STATION NAME

66-72, 73-79

YEARS

MONTH

PAGE 1

2000-1990
HOURS (L. S. Y.)

[illegible]

2. USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

<u>43273</u>	<u>KOON-NI HANGE KO</u>
STATION	STATION NAME

63-70, 73-79

YEARS

OCT
MONTH

PAGE 1 8906-115
HOURS (L. S. T.)

[illegible]

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

4.273 KCON-NI RANGE KO
STATION STATION NAME

62-70, 73-10

YEARS

OCT
MONTH

PAGE 1

14-14
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
70 / 70						.3												3	3					
70 / 77						.3	1.1	.2										11	11					
76 / 75			.3	.5	.9	1.5	.5	.7										22	24					
74 / 73				.5	.9	.5	.9	.2										22	25					
72 / 71		.2	.6	.8	1.1	2.1	2.3	.3	.7									55	55					
72 / 69			.3	1.5	2.6	2.7	3.5	.3										75	75	8				
68 / 67			.3	2.6	4.1	5.2	2.3	1.2										104	104	15				
66 / 65		.2	.5	1.8	2.6	2.6	2.3	.8										71	71	23				
64 / 63		.3	1.2	2.4	2.4	4.4	.5	.3										76	76	59				
64 / 61		.3	.6	2.3	2.1	1.5	.5											46	46	77				
60 / 59		.3	.3	2.1	2.1	3.5	.9	.2	.7									65	65	87				
58 / 57		.5	.2	1.1	1.1	1.7	.2											10	37	55				
56 / 55		.5		1.4	1.5	.3		.2										25	25	70				
54 / 53		.5	.5	.6	.5	.6												18	18	54				
52 / 51	.3	.2		.9	.6													13	13	50				
52 / 49		.2		.3	.2													4	4	37				
48 / 47			.3	.3														4	4	27				
48 / 45		.3		.3														4	4	21				
44 / 43		.2		.3	.2	.2												5	5	8				
42 / 41				.2	.5													4	4	5				
40 / 39																				3				
36 / 37																				2				
36 / 35																				4				
34 / 33																				1				
32 / 31																								
30 / 29																								
26 / 27																								
26 / 25																								
24 / 23																								
22 / 19																								
TOTAL	.3	3.3	5.6	19.5	23.9	26.6	15.9	4.4	.6									661	661	661				

Element (X)	Σ X ²	Σ X	̄ X	σ ²	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Ref. Num.	2421507	39199	59.3	12.117	661							
Dry Bulb	2796815	4.759	64.7	6.832	661			41.6	8.7			
Wet Bulb	2139527	37376	56.5	6.289	661			3.7	.1			
Dew Point	1675294	32848	49.7	8.065	661		1.3	.8				

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

45273	KOON-NI RANGE KO
STATION	STATION NAME

68-72, 73-79

YEARS

 CCT
MONTH

PAGE 1 1975-1722
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

42273 Koon-Ni Range KO
STATION STATION NAME

66-70, 73-79

YEARS

301
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
79 / 79					.1	.2	.3											7	7	
77 / 77					.2	.3	.4	.1										19	19	
75 / 75			.1	.2	.2	.4	.7	.2	.2									48	48	
74 / 73			.0	.3	.3	.4	.4	.4	.1									43	43	1
72 / 71		.0	.2	.5	1.2	1.1	1.1	.3	.0									102	102	4
70 / 69		.1	.3	.7	1.8	1.9	1.7	.2										157	157	13
68 / 67		.2	.7	2.1	3.3	3.1	1.4	.5	.1									242	242	34
66 / 65	.1	.4	.9	1.5	2.2	1.6	1.5	.7										198	198	57
64 / 63	.1	.6	1.7	2.7	2.1	2.7	.5	.2										248	248	144
62 / 61		.6	1.4	2.5	2.8	1.2	.2	.1										173	173	169
60 / 59	.1	1.2	1.5	3.0	1.9	1.8	.3	.1	.7									235	235	232
58 / 57	.1	1.8	1.2	1.5	1.4	1.0	.2											168	168	225
56 / 55	.4	1.7	1.6	1.4	1.1	.3			.7									152	152	281
54 / 53	.3	1.4	2.2	1.2	.7	.3			.1									144	144	243
52 / 51	.4	1.4	1.4	1.0	.6	.0		.3										113	113	219
50 / 49	.4	1.1	1.3	.8	.4	.1												89	89	185
48 / 47	.3	.9	.7	.6	.1													62	62	136
46 / 45	.3	1.0	.3	.3	.1													47	47	121
44 / 43	.1	.6	.3	.3	.2													35	35	63
42 / 41	.1	.9	.3	.1	.2	.1												38	38	45
40 / 39	.1	.3	.1	.0														11	11	41
38 / 37		.1	.1															5	5	19
36 / 35		.2	.1	.2														6	6	11
34 / 33																			12	36
32 / 31																			2	17
30 / 29																			1	
28 / 27																				1
26 / 25																				7
24 / 23																				2
22 / 21																				5
20 / 19																				1
18 / 17																				1
Element (X)	Σ H'		Σ H		Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature						Total			
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				
Dry Bulb																				
Wet Bulb																				
Dew Point																				

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0 26 3 (OL A)

USAFETAC FORM 10-64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
SPECIFICATION

PSYCHROMETRIC SUMMARY

43-73 KODON-NI RANGE KO
STATION STATION NAME

62-70.73-77

YEARS

NOV
MONTH

PAGE 1

7.00-15.00
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
4/ 67		.5																2	2					
5/ 61																		2	2					
6/ 59			.5															2	2					
7/ 57		.2	.2	.2														3	3					
8/ 55		.2		.7														4	4					
9/ 53		.2	1.4	.5	.2													10	12					
10/ 51	1.4	1.7	1.1	.2	.2													19	19	19				
11/ 49	.7	3.3	2.1	.2														17	27	27				
12/ 47	1.2	2.6	1.9	.5														26	26	26	21			
13/ 45	1.4	7.4	2.9	.7														32	32	25	31			
14/ 43	1.4	4.1	1.2	.2														29	19	26	24			
15/ 41	1.1	2.6	3.5	1.2														36	36	32	41			
16/ 39	.2	1.9	1.2	1.4	.5													22	22	17	23			
17/ 37	1.4	1.9	1.4															18	15	29	17			
18/ 35	.2	3.1	2.9	.2														27	27	20	27			
19/ 33	.5	3.1	1.9	.2														24	24	31	21			
20/ 31	.7	5.5	2.6															37	37	25	25			
21/ 29	.2	3.3	2.4	.7														28	28	27	23			
22/ 27	1.2	3.6	1.1															24	24	36	41			
23/ 25		2.6	1.7															15	15	18	20			
24/ 23	1.1	.7																7	7	17	20			
25/ 21		.2	.2															2	2	4	10			
26/ 19			.1															1	1	1	12			
27/ 17			.2															1	1	1	10			
28/ 15		.5																2	2	2	8			
29/ 13		.2																1	1	2	6			
30/ 11																								
31/ 9																								
32/ 7																								
33/ 5																								
4/ 3																								
TOTAL	12.2	249.6	10.1	7.2	1.0													419		419	419			
Element (X)	Z _g	Z _g	X	g _g	No. Obs.	Mean No. of Hours with Temperature							Total											
Rel. Hum.	2797804	33868	80.8	12.004	419	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total												
Dry Bulb	693583	16507	39.4	8.922	419		25.3																	
Wet Bulb	612481	15585	37.2	8.956	419		31.6																	
Dew Point	521827	14159	33.8	10.417	419		41.7																	

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USE WITH CAUTION
OF FIRST CLASS

PSYCHROMETRIC SUMMARY

4-273	KOON-NI RANGE RD
STATION	STATION NAME

66-71, 73-79

YEARS

NOV
MONTH

PAGE 1

4-11-
HOURS (L. S. T.)

[illegible]

U. SE WITH CAUTION
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PSYCHROMETRIC SUMMARY

4-273 MOON-NI RANGE K2
STATION STATION NAME

65-72, 73-79

YEARS

MONTH

PAGE : 12-14
HOURS (L. S. T.)

[illegible]

USE WITH CAUTION
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PSYCHROMETRIC SUMMARY

4270
STATION

KOON-NI RANGE KC
STATION NAME

60-70, 73-74

YEARS

VCV
MONTH

PAGE 2 12-3-14
HOURS 11.5.7

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USE WITH A-100.
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PSYCHROMETRIC SUMMARY

4-23	ACON-NI RANGE KO
STATION	STATION NAME

65-72, 73-79

YEARS

1954
MONTH

PAGE 1 100-17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
71 / 71								.4	.2									3	3				
71 / 67								.2										2	2				
71 / 67					.1	.2	.5											5	5				
67 / 65			.1			.5	1.5											13	13				
67 / 67			.5		.4	1.4	.7	.2										18	13	1			
67 / 61			.3	.5	1.1	.7	.2											19	19				
67 / 59		.4	2.2	3.2	3.4	1.8	.2											62	62	5			
67 / 57		.4	1.4	1.4	2.3	1.2	.2											39	39	11			
57 / 55		1.3	1.1	1.8	2.3	.5	.2											40	40	30			
57 / 53		.5	1.6	1.8	2.	.5	.5											39	39	53			
57 / 51		.2	2.2	2.7	1.3	.2	.2											37	37	41			
57 / 49		.2	1.1	2.2	2.2	.9												35	35	49			
57 / 47		.5	1.3	2.3	1.4	.4												33	33	51			
47 / 45		.5	.5	1.8	1.1	1.4	.2											21	31	45			
47 / 43		.2	1.4	3.1	1.3	.2												34	34	26			
47 / 41		.7	2.2	2.7	2.9	.7												51	51	31			
47 / 39		.9	1.4	1.8	1.4													31	31	36			
39 / 37		.2	1.6	2.3	.7													25	25	43			
39 / 35	.2	.5	.9	.7	.2													14	14	40			
39 / 33			1.8	.2														11	11	39			
37 / 31		.2	.7	.4														7	7	27			
37 / 29			.2															1	1	15			
37 / 27		.4	.2															3	3	4			
37 / 25			.2															1	1	5			
27 / 23																				1			
27 / 21																				1			
27 / 19																							
27 / 17																							
17 / 15																							
17 / 13																							
17 / 11																							
17 / 9																							
TOTAL	.2	7.0	23.6	28.5	24.2	10.8	4.7	.7	.2									554	554	554	554		
Element (X)	Σx'		Σx		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	2190199		34009		61.4		13.611		554		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb	1429001		27673		58.9		9.190		554				1.9		1.6								7
Wet Bulb	1129299		24349		44.0		8.412		554				8.6										9
Dew Point	801425		20269		36.6		10.403		554				32.3										7

USE WITH CARE
See label for details

PSYCHROMETRIC SUMMARY

4273	KOON-NI RANGE KO
STATION	STATION NAME

62-72, 73-79

YEARS

NOV
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

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FORM
NA 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USE WITH CARE
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PSYCHROMETRIC SUMMARY

47273 KCON-NI RANGE KO
STATION STATION NAME

65-70, 73-79

YEARS

550
MONTH

PAGE 3

10-1-68
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CARE
SEE FIRST PAGE

PSYCHROMETRIC SUMMARY

4773 KRON-NI RANGE KO 66-77,73-79 DEC
STATION STATION NAME YEARS MONTH

PAGE 1 16-14
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
61 / 61				.3														2	2						
59 / 59			.2	.3	.2	.2												5	5						
57 / 57			.3	.2	.2													4	4						
55 / 55		.5	1.1	.8		.3												16	16	3					
53 / 53		.3	.5	.3	.2													8	8	7	1				
51 / 51		.5	.5	.3	.7													12	12	11	4				
49 / 49			.3	.2	.3													9	9	13	11				
47 / 47			2.4	2.4	1.7	.3												40	40	6	7				
45 / 45		1.4	3.2	2.7	.8													48	48	19	7				
43 / 43	.2	1.4	2.7	1.9	.7													40	40	26	7				
41 / 41	.5	2.7	3.7	1.2	1.5													53	53	47	21				
39 / 39	.2	1.5	5.1	3.9	.5													66	66	54	3				
37 / 37		1.2	4.9	2.7														52	52	77	3				
35 / 35		1.4	5.4	2.4														54	54	54	31				
33 / 33		.8	3.2	.5	.3													29	29	70	43				
31 / 31	.2	.8	3.1	2.5	.2													40	40	57	43				
29 / 29	.2	1.2	2.5	1.7														23	33	45	42				
27 / 27		1.5	2.2	.5														24	24	34	47				
25 / 25		1.4	2.5															23	23	35	56				
23 / 23		2.4	.5															17	17	32	46				
21 / 21		.8	.5															8	8	22	40				
19 / 19																				8					
17 / 17																					2				
15 / 15			.2															2	2		15				
13 / 13		.3	.2															3	3		29				
11 / 11		.2																1	1	5	21				
9 / 9																				1					
7 / 7																					1				
5 / 5																					1				
3 / 3																					1				
1 / 1																					1				
-1 / -1																					1				
-3 / -5																					1				
TOTAL	1.2	19.7	45.3	25.6	7.3	.8												589	589	589	589				
Element (X)	Σ X'		Σ X		Σ	Σ ²	No. Obs.		Mean No. of Hours with Temperature						Total										
Rel. Hum.	2707533		39243		66.6	12.570	589		≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	913923		22641		38.4	8.612	589			23.8					93										
Wet Bulb	739298		20316		34.5	8.097	589			37.3					93										
Dew Point	517363		16433		27.9	10.007	589		.6	62.7					93										

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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PSYCHROMETRIC SUMMARY

42-73 KQON-NI RANGE KC
STATION STATION NAME

68-70, 73-79
YEARS

JUL
MONTH

PAGE 1 19-17-7
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
61				.2														1	1		
59			.4	.4	.2	.2												6	5		
57			.4		.7	.4	.2											6	6		
55		.4	.6	.8		.2												10	12		
53		.8	.6	.4	.4													11	11		
51			.4	.4														4	4	7	4
49		.4	.9	1.8	.2	.7												17	17	10	9
47		.8	3.6	2.4	1.													39	39	10	
45		1.4	4.2	3.6	.6													49	49	21	
43		1.2	1.8	3.2	.6													33	33	27	1
41		.4	4.4	2.6	1.2													43	43	40	10
39		1.4	6.8	4.2	.2													63	63	28	21
37		1.2	3.6	3.0	.2													40	40	44	27
35		1.2	3.8	2.6														38	38	60	30
33	.2	.4	3.0	1.6	.2													27	27	48	30
31	.4	1.2	3.2	2.0														23	33	47	40
29		1.4	2.8	1.7														26	26	36	30
27		.4	2.4															14	14	26	36
25		1.0	1.9															14	14	31	36
23		2.8	.9															18	18	21	55
21			.4															2	2	14	24
19			.2															1	1	4	24
17																				2	17
15		.2	.6															4	4		10
13																				1	19
11																				3	16
9																					2
5																					1
3																					1
1																					1
-1																					1
-3																					1
-5																					1
TOTAL		.616	.446	.530	.1	5.2	1.0	.2										499	499		499
Element (X)	Σx'		Σx		X	X	No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	2260716		33078		66.3	11.687	499		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	805819		19641		39.3	8.488	499			20.9					52						
Wet Bulb	651361		17581		35.2	8.008	499			34.5					43						
Dew Point	456559		14289		28.6	9.755	499			61.3					9						

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

54 C
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

USAFETAC

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PSYCHROMETRIC SUMMARY

YEARS

DEC
MONTH

PAGE 2

ALL
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JAN 64

USE WITH CAUTION
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PSYCHROMETRIC SUMMARY

4-273	KOON-NI RANGE KO
STATION	STATION NAME

68-70, 73-85

YEARS

ALL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
95/95							.0			.0								5	5																
94/93							.0			.0								28	28																
93/91			.0	.0	.0	.0	.1	.1	.0	.0								51	51																
92/89			.0	.0	.1	.1	.1	.1	.0	.0								115	115																
91/87		.0	.0	.1	.1	.2	.2	.0	.0									202	202																
90/85		.0	.2	.1	.3	.4	.2	.1	.0	.0								349	349	24	29														
89/83	.1	.0	.3	.6	.5	.3	.2	.1	.0	.0								538	538	40	24														
88/81	.1	.1	.6	1.0	.4	.5	.4	.2	.1	.0								873	973	145	72														
87/79	.1	.4	.6	.8	.4	.5	.2	.2	.0	.0								634	834	331	137														
86/77	.1	.8	1.0	1.0	.5	.6	.4	.2	.0	.0								1222	1232	652	392														
85/75	.1	.6	.9	.8	.6	.5	.3	.2	.1	.0								1079	1079	1058	627														
84/73	.1	.4	.6	1.1	.5	.3	.3	.1	.0	.0								945	945	958	887														
83/71	.1	.4	1.0	.6	.5	.3	.3	.1	.0	.0								981	981	1072	850														
82/69	.1	.6	.9	.6	.6	.4	.3	.1	.0	.0								965	965	1061	710														
81/67	.1	.3	.9	.8	.0	.5	.3	.1	.0	.0								988	988	1110	957														
80/65	.1	.6	.7	.6	.5	.4	.3	.1	.0	.0								883	883	941	834														
79/63	.1	.6	.8	.8	.6	.7	.5	.1	.0	.0								1042	1042	1134	1087														
78/61	.1	.4	.6	.7	.5	.3	.1	.1	.0	.0								797	797	999	812														
77/59	.1	.6	.8	1.0	.7	.5	.1	.0	.0	.0								1040	1040	848	1090														
76/57	.1	.5	.6	.7	.5	.4	.1	.0	.0	.0								734	734	954	786														
75/55	.1	.6	.7	.9	.5	.2	.1	.0	.0	.0								791	791	937	745														
74/53	.1	.4	.9	.6	.5	.1	.1	.0	.0	.0								721	721	945	810														
73/51	.1	.4	.8	.6	.4	.1	.0	.0	.0	.0								652	652	892	741														
72/49	.1	.5	.7	.6	.5	.2	.0	.0	.0	.0								679	679	923	945														
71/47	.1	.5	.7	.7	.4	.1	.0	.0	.0	.0								667	667	851	753														
70/45	.1	.7	1.0	.9	.4	.1	.0	.0	.0	.0								860	861	791	976														
69/43	.1	.6	.8	.9	.3	.1	.0	.0	.0	.0								703	703	692	715														
68/41	.1	.9	1.6	.7	.4	.1	.0	.0	.0	.0								1004	1004	812	995														
67/39	.1	.9	1.2	.7	.3	.0	.0	.0	.0	.0								848	849	886	761														
66/37	.1	.9	1.0	.8	.1	.0	.0	.0	.0	.0								779	780	990	717														
65/35	.1	1.0	1.4	.6	.1	.0	.0	.0	.0	.0								856	856	850	874														
64/33	.2	.6	1.2	.5	.0	.0	.0	.0	.0	.0								681	681	976	842														
63/31	.1	.9	1.1	.5	.0	.0	.0	.0	.0	.0								735	735	882	981														
62/29	.1	.9	.9	.3	.0	.0	.0	.0	.0	.0								603	603	843	767														
Element (X)	Σ X ²					Σ X					Σ		Σ _n		No. Obs.		Mean No. of Hours with Temperature																		
Rel. Hum.																													≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

12

PSYCHROMETRIC SUMMARY

YEARS

ALL
MONTH

FAC -

ALL
HOURS (L. S. T.)

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USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

1951-1980
SEA LEVEL

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

44273 KOON-NI RANGE KO

68-70,73-80

STATION	STATION NAME	YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
6-08	MEAN		22.0	25.8	34.8	46.3	56.7	65.3	73.2	73.9	64.7	51.8	39.4	30.3	49.2
	S.D.		8.768	8.616	5.708	5.971	4.709	4.161	4.612	4.216	5.862	6.565	8.922	8.839	18.521
	TOTAL OBS		373	348	389	399	393	394	386	414	401	440	419	396	4752
9-11	MEAN		26.9	30.3	39.5	52.6	62.4	70.0	77.3	78.7	70.7	58.9	44.7	33.7	53.8
	S.D.		8.275	8.250	6.713	6.280	5.556	4.800	5.140	4.346	5.105	6.535	8.992	8.454	18.901
	TOTAL OBS		655	617	681	673	649	664	622	669	636	673	655	634	7828
12-14	MEAN		31.8	34.7	43.8	56.9	66.0	73.2	80.4	82.2	75.3	64.7	49.6	38.4	58.3
	S.D.		8.261	9.040	7.993	7.155	6.291	5.549	5.659	4.756	5.131	6.932	9.312	8.612	18.665
	TOTAL OBS		637	600	667	652	641	657	610	646	632	661	639	589	7631
15-17	MEAN		32.5	35.7	43.4	56.1	65.0	72.3	80.5	82.3	75.4	64.5	50.0	39.3	58.5
	S.D.		8.252	8.809	7.514	7.101	6.089	5.234	5.531	4.617	5.214	6.838	9.190	8.488	18.305
	TOTAL OBS		535	500	594	577	542	566	536	586	557	568	554	499	6614
	MEAN														
	S.D.														
	TOTAL OBS														
	MEAN														
	S.D.														
	TOTAL OBS														
	MEAN														
	S.D.														
	TOTAL OBS														
ALL HOURS	MEAN		28.9	32.1	40.9	53.6	63.1	70.7	78.3	79.7	72.1	60.6	46.4	35.7	55.4
	S.D.		9.121	9.377	7.877	7.687	6.638	5.728	5.964	5.478	6.625	8.274	9.944	9.235	18.947
	TOTAL OBS		2200	2065	2331	2301	2225	2281	2154	2315	2226	2342	2267	2118	26825



USAFETAC FORM 0.89 5 (OLA)

[illegible]

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

68-70, 73-80

USAFETAC FORM 0895 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

USE WITH CAUTION
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MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

47273 KRON-NI RANGE KO

68-70, 73-80

STATION		STATION NAME												YEARS											
HRN		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
6-10	MEAN	15.4	18.4	28.2	39.5	49.8	60.1	69.0	69.6	60.4	46.8	33.8	24.2	43.4											
	S.D.	10.6711	11.078	7.744	7.182	5.491	5.491	4.903	5.237	6.914	7.590	10.417	10.126	19.871											
	TOTAL OBS.	373	348	389	399	393	394	386	414	401	440	419	396	4752											
11-15	MEAN	18.3	21.0	29.6	42.0	51.8	61.6	70.5	71.3	62.5	49.2	35.7	25.9	45.0											
	S.D.	10.662	10.869	8.269	7.377	5.887	5.784	4.902	5.193	6.721	7.743	10.655	10.108	19.846											
	TOTAL OBS.	655	617	681	673	649	664	622	669	636	673	655	633	7827											
16-20	MEAN	20.5	22.7	30.5	42.8	52.5	62.0	71.2	72.0	62.6	49.7	36.5	27.9	46.1											
	S.D.	10.936	11.686	8.933	8.005	6.749	6.000	4.921	5.554	7.392	8.065	10.596	10.007	19.523											
	TOTAL OBS.	637	600	667	652	641	657	610	646	632	661	639	589	7631											
21-25	MEAN	21.0	23.2	30.5	42.3	51.8	61.3	71.2	71.9	61.9	49.7	36.6	28.6	46.2											
	S.D.	11.031	11.442	8.744	7.869	6.540	5.799	5.157	5.423	7.444	7.911	10.403	9.755	19.196											
	TOTAL OBS.	533	499	594	577	542	566	536	586	557	568	554	499	6611											
	MEAN																								
	S.D.																								
	TOTAL OBS.																								
	MEAN																								
	S.D.																								
	TOTAL OBS.																								
	MEAN																								
	S.D.																								
	TOTAL OBS.																								
ALL HOURS	MEAN	19.1	21.6	29.9	41.9	51.7	61.4	70.6	71.4	62.0	49.0	35.8	26.8	45.3											
	S.D.	11.008	11.400	8.541	7.726	6.303	5.835	5.039	5.431	7.173	7.918	10.577	10.123	19.626											
	TOTAL OBS.	2198	2064	2331	2311	2225	2281	2154	2315	2226	2342	2267	2117	26821											



CLIMATE CLIMATOLOGY BRANCH
CMAFLAC
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USE WITH CAUTION
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RELATIVE HUMIDITY

4-1-73 FOCN-NI RANGE KP

50-75,77-83

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STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01-12											
	13-25											
	26-08	100.0	100.0	100.0	99.7	96.2	87.1	89.	84.	12.3	74.4	573
	09-11	100.0	100.0	100.0	99.2	92.6	76.0	61.1	27.6	9.7	71.9	655
	12-14	100.0	100.0	100.0	98.9	90.5	67.8	28.9	14.0	3.0	64.7	537
	15-17	100.0	100.0	99.8	94.7	73.	55.3	31.1	13.1	3.0	63.7	573
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	97.6	87.0	69.6	42.6	24.2	6.8	64.3	2198

USAFETAC FORM 0-87-5 (OL A)
JUL 64

USE WITH CAUTION
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45073 KCON-NI RANGE KO

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CFB

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01-12											
	13-25											
	26-28	100.0	100.0	100.0	99.1	94.5	86.8	87.2	37.9	12.1	74.1	543
	29-11	100.0	100.0	100.0	98.2	92.1	73.4	41.0	22.5	9.3	69.0	517
	12-14	100.0	100.0	99.7	93.7	76.3	52.0	28.1	16.2	5.3	52.6	670
	15-17	100.0	100.0	99.8	92.4	74.3	47.3	29.7	14.0	3.5	61.3	499
	18-20											
	21-23											
TOTALS		100.0	100.0	99.9	95.9	84.3	64.9	37.9	22.9	7.5	65.9	2543

USAFETAC

FORM 113.64

0-87-5 (OL A)

RELATIVE HUMIDITY

465

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	96.9	86.9	68.3	51.9	13.6	77.5	169
	09-11	100.0	100.0	100.0	97.9	88.3	71.2	44.1	13.5	5.2	65.9	621
	11-14	100.0	100.0	99.5	92.4	75.0	50.4	28.2	9.1	1.9	51.7	567
	15-17	100.0	100.0	99.3	93.6	76.8	51.2	29.1	10.6	1.7	61.9	554
	18-20											
	21-23											
TOTALS		100.0	100.0	99.5	96.9	84.3	64.7	41.3	23.2	5.9	67.3	2531

FORM
NM 44

RELATIVE HUMIDITY

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STATION

STATION NAME

PERIOD

MONTH

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USAFETAC FORM 0-87-5 (OL A)
JUL 64

USE WITH CAUTION
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RELATIVE HUMIDITY

000000 03 KROCH-71 RANGE KO

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STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

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USE WITH CARE
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RELATIVE HUMIDITY

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STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUNE	1-5-01											
	6-10-03											
	11-15-06	100.0	100.0	100.0	100.0	99.9	99.2	94.6	66.3	21.3	33.4	394
	16-20-11	100.0	100.0	100.0	99.2	96.3	83.9	71.7	33.1	8.9	73.6	664
	21-24	100.0	100.0	99.7	98.0	92.7	73.7	48.0	21.0	4.6	69.2	657
	25-27	100.0	100.0	99.3	98.2	91.9	76.3	47.1	21.9	4.1	69.6	566
	28-30											
	31-23											
TOTALS		100.0	100.0	99.9	98.9	94.5	80.8	64.4	37.0	9.7	74.5	2281

USAFETACFORM
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0-87-5 (OL A)



USE WITH CAUTION
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J. L.

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.7	98.3	91.8	81.9	76.6	393
	09-11	100.0	100.0	100.0	100.0	99.2	94.9	87.7	81.4	73.8	70.9	672
	12-14	100.0	100.0	100.0	100.0	97.5	88.1	82.1	74.1	71.1	74.4	61
	15-17	100.0	100.0	100.0	100.0	96.7	81.3	82.1	77.4	70.5	74.3	936
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	100.0	98.4	89.8	75.1	59.1	46.6	70.8	2154

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

USE WITH CAUTION
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STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02											
	03-05											
	06-08	100.0	100.0	100.0	100.0	100.0	99.8	94.9	79.7	31.9	80.3	414
	09-11	100.0	100.0	100.0	100.0	99.4	94.2	75.6	47.7	10.6	74.0	669
	12-14	100.0	100.0	100.0	99.5	96.0	82.2	54.5	24.8	5.1	72.2	646
	15-17	100.0	100.0	100.0	99.3	94.0	80.5	55.8	21.8	5.3	71.7	586
	18-20											
	21-23											
TOTALS		100.0	100.0	100.0	99.7	97.4	89.2	70.3	43.5	13.4	77.2	2315

USAFETAC FORM 0-87-5 (OL A)

RELATIVE HUMIDITY

USE WITH CAUTION
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CCT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02											
	03-05											
	06-08	100.0	100.0	100.0	99.8	99.1	95.0	89.1	64.3	27.3	83.3	440
	09-11	100.0	100.0	99.7	99.6	94.5	78.8	53.3	24.7	8.5	71.3	673
	12-14	100.0	100.0	99.5	96.4	76.7	40.4	18.3	6.4	1.5	50.3	661
	15-17	100.0	100.0	99.3	95.6	73.3	42.3	17.8	4.2	.2	53.6	568
	18-20											
	21-23											
TOTALS		100.0	100.0	99.2	97.9	87.2	64.3	44.5	24.9	7.4	63.4	2342

USAFETACFORM
HH-64

0-87-5 (OL A)

USE WITH CAUTION
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RELATIVE HUMIDITY

43073 KJON-NI PANGF KC

63-7, 13-79

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STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

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HM 64

0-87-5 (OL A)

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47473 KJON-NI DANGE MO

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STATION

STATION NAME

PERIOD

MONTH

USAFETAC FORM 0-87.5 (OL A)
MAY 64

USAFETAC
 12-10-64
 12-10-64

USE WITH CARE
 See instructions

RELATIVE HUMIDITY

STATION NAME RANGE K0

01-7,71-

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	97.6	87.1	67.6	42.0	21.0	9.0	61.1	7184
FEB		100.0	100.0	99.9	95.9	84.3	64.9	37.0	20.9	7.5	61.9	7184
MAR		100.0	100.0	99.5	93.7	84.3	64.7	41.1	22.1	8.9	67.3	7184
APR		100.0	100.0	99.8	95.5	83.9	64.5	43.7	21.1	8.1	67.2	7184
MAY		100.0	100.0	99.1	95.5	83.6	70.2	49.6	31.4	11.2	67.9	7184
JUN		100.0	100.0	99.9	98.9	94.5	83.6	64.4	37.0	11.7	74.5	7184
JUL		100.0	100.0	100.0	100.0	98.4	89.8	75.1	51.1	10.6	77.8	7184
AUG		100.0	100.0	100.0	99.7	97.4	89.2	77.3	45.5	10.4	77.2	7184
SEP		100.0	100.0	99.9	93.6	91.4	77.1	53.0	34.6	11.9	72.9	7226
OCT		100.0	100.0	99.8	97.9	87.2	64.3	44.6	24.9	9.4	68.4	7342
NOV		100.0	100.0	99.8	97.6	87.2	68.3	45.9	25.4	9.1	69.1	7267
DEC		100.0	100.0	100.0	99.5	93.5	78.1	50.5	26.7	7.5	71.3	7117
TOTALS		100.0	100.0	99.9	97.8	89.8	73.9	52.0	29.5	9.2	71.9	26821

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

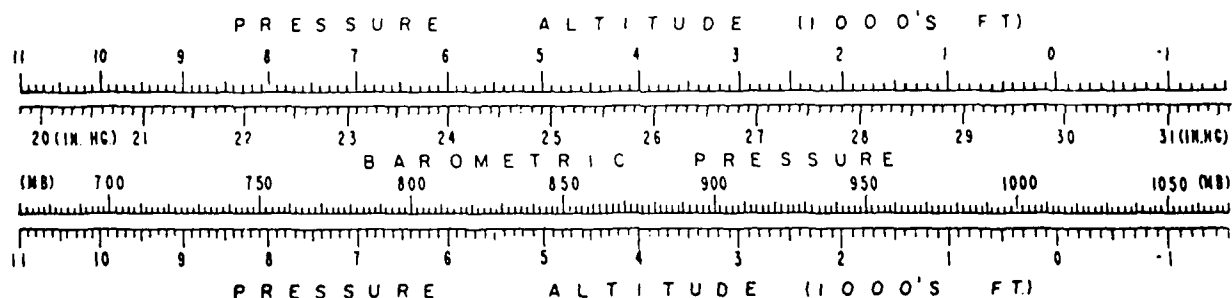
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars. **DATA NOT AVAILABLE**

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



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2GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MACUSE WITH CAUTION
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MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

47273 KOON-NI RANGE KO

68-70, 73-80

STATION		STATION NAME												YEARS	
HRN	US	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
10		MEAN													
		S D													
		TOTAL OBS													
17		MEAN													
		S D													
		TOTAL OBS													
18		MEAN													
		S D													
		TOTAL OBS													
19		MEAN	30.203	30.167	30.090	29.961	29.829	29.712	29.685	29.717	29.887	30.075	30.198	30.211	29.977
		S D	.168	.177	.171	.164	.149	.140	.123	.142	.121	.161	.162	.159	.250
		TOTAL OBS	214	202	219	221	211	218	207	223	210	225	215	212	2577
17		MEAN	30.196	30.162	30.086	29.947	29.818	29.702	29.674	29.710	29.872	30.060	30.182	30.199	29.966
		S D	.170	.188	.170	.170	.148	.137	.125	.142	.121	.157	.163	.166	.250
		TOTAL OBS	216	203	228	224	220	223	206	219	211	223	216	202	2591
10		MEAN	30.157	30.109	30.039	29.908	29.790	29.671	29.650	29.681	29.833	30.018	30.147	30.158	29.927
		S D	.161	.193	.157	.148	.139	.134	.120	.136	.114	.146	.154	.165	.241
		TOTAL OBS	274	189	218	211	206	212	202	212	206	213	203	188	2464
13		MEAN													
		S D													
		TOTAL OBS													
21		MEAN													
		S D													
		TOTAL OBS													
ALL HOURS		MEAN	30.186	30.147	30.072	29.939	29.813	29.695	29.670	29.703	29.864	30.051	30.176	30.190	29.957
		S D	.167	.185	.168	.163	.146	.138	.123	.141	.121	.157	.161	.165	.248
		TOTAL OBS	634	594	665	656	637	653	615	654	627	661	634	602	7632



USAFETAC FORM 0 89 5 (OLA)

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